

DCR 9001/02

DE Benutzerhandbuch 2

Bei Problemen, die nicht auf die Premiere Programme oder die Premiere Smartcard, sondern auf den Receiver zurückzuführen sind, wenden Sie sich an das Philips Call Centre unter 0180/500 75 31* (Deutschland) oder 0820 400 039* (Österreich).

*Täglich von 8 bis 23 Uhr erreichbar - 0,12 Euros/Min

EN User manual 50

For problems that are not related to Premiere programmes or the Premiere smart card, but rather due to your receiver, call the Philips call center on 0180/500 75 31* for Germany or 0820 400 039* for Austria.

*open 7 days from 08.00 to 23.00 - 0.12 Euros/min



PHILIPS

Foreword

EN

Dear Valued Customer,

Thank you for choosing our HDTV receiver. This User Manual will help you get the best out of the extensive and fascinating functions of your new receiver.

With your new HDTV receiver [receiver type], the whole world of television is open to you for top-quality viewing! You are now ready for the future of television! HDTV is a new way to watch television - a crystal clear, high-definition picture with sharp colours. Premiere offers you Hollywood blockbusters, major sports events and documentaries of the highest quality. Television now becomes an incredible viewing experience.

Your new digital receiver [receiver type] is of course designed to receive and use Premiere services. It is for those who expect more from television. A Premiere subscription means exclusive programs, a wide selection, comprehensive service and cutting edge technology.

With Premiere you will experience innovations in TV before anyone else. Premiere is the first, and up to now the only, German TV channel with programmes 24-hours a day in high definition.

Premier HD channels offer top Premiere programs in unheard-of quality.

- Enjoy the best current films with picture and sound quality just like in the movie theatre - and in the original wide-screen format.
- See the world as it really is with the Premiere HD special offer.
- Experience the best in sports in top quality and see the best football, basketball and ice hockey players and other sports stars.

Premiere offers you more TV enjoyment, more variety and more comfort.

- PREMIERE FILM offers great entertainment to suit all tastes with a selection of 100 films a day with no commercial interruption. DISNEY CHANNEL provides great family entertainment.
- PREMIERE SPORT & PREMIERE FUSSBALL LIVE offer best in sports. You will never miss another goal.
- PREMIERE THEMA includes a wide variety of theme channels for all your moods and interests with documentaries, interactive advice programmes, children's programmes, music channels and adult channels, as well as the best programmes for fans of sci-fi, thrillers, action and classic movies.
- On PREMIERE DIREKT, you can easily book the best current films, exclusive sports events, special events and adult television for whatever time you want and enjoy them at home.

When installing Premiere, please observe the installation instructions that come with the Premiere smart card. If you haven't got a Premiere smart card yet, you can find further information on current Premiere offers on:

0180/ 551 00 00* - www.premiere.de
for Germany

01/ 49166 200 - www.premiere.at
for Austria

or at specific dealers.

We wish you great viewing with your Philips [receiver type]!

Your Philips Team.

*0.12 euros/min on the Deutsche Telekom Ltd. fixed network

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Unpacking

When unpacking your receiver, please make sure the following accessories are included:



- 1 -

Universal remote control with batteries



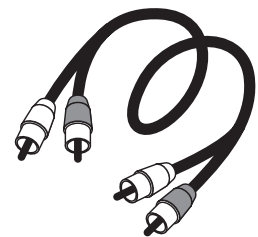
2 - HDMI cable



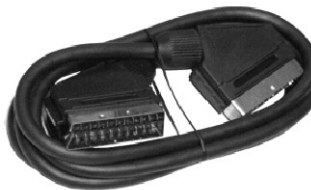
3 - RF coaxial cable



4 - Mains cord



5 - Audio cable



6 - SCART cable

The package also includes the following documents:

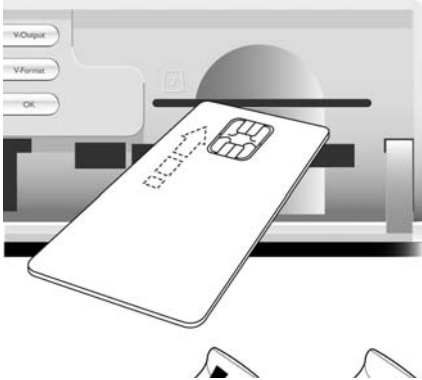
- User manual for receiver
- Quick start guide
- Philips World-Wide Guarantee



Plastic bags can be dangerous. To avoid suffocation keep the bag away from babies and children.

1 Quick installation

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Please read the safety and environmental instructions before connecting your receiver.

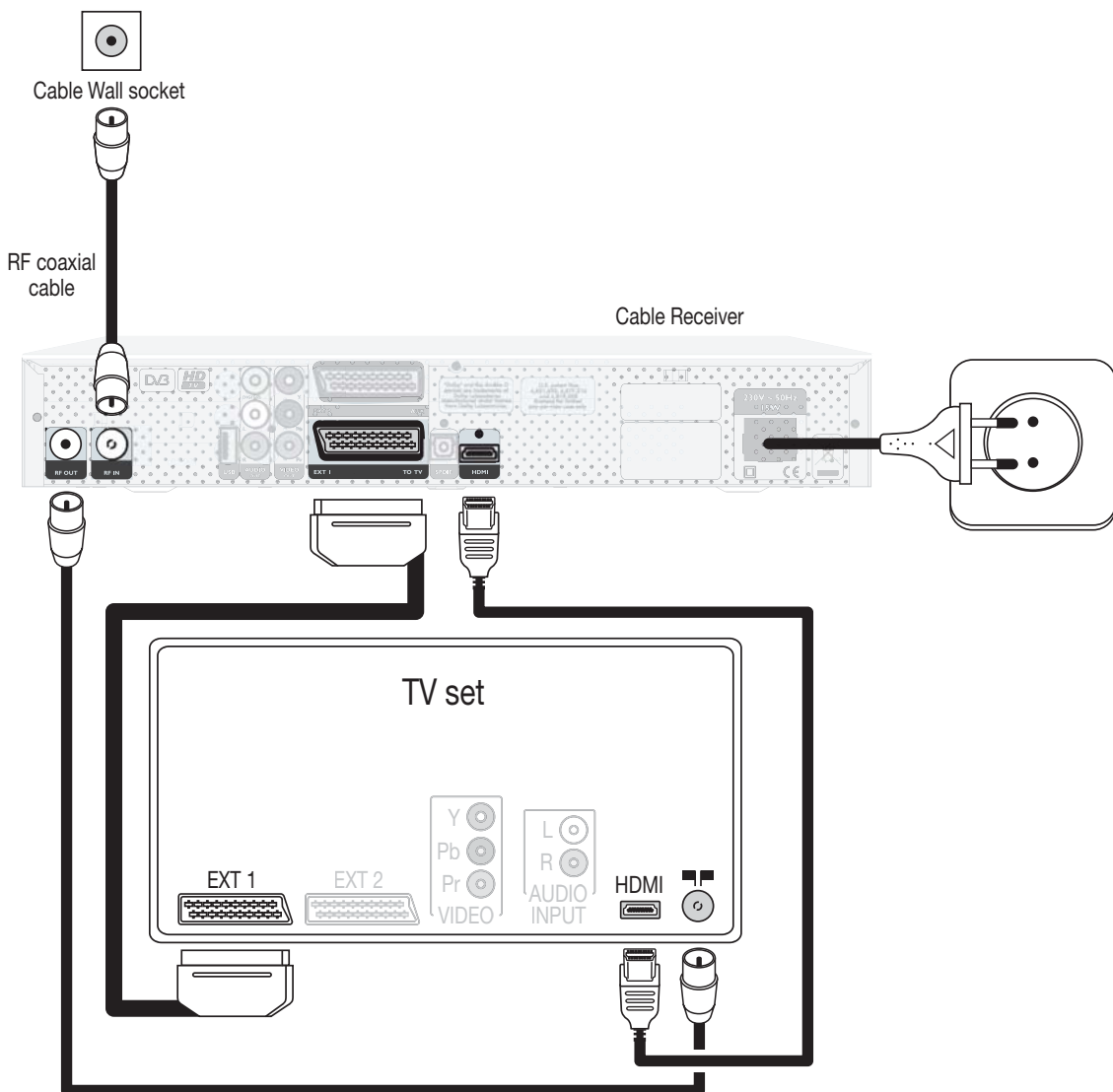
Your TV set is fitted with an HDMI socket. If not, proceed to chapter 8.

- Disconnect your TV set from the mains.
- Connect your receiver as shown below. Do not connect your receiver to the mains now.

When connected as described below, volume control is performed via your TV set.






- Insert your smart card in your receiver with the contacts facing up.

Smart card insertion is required for Pay-TV subscribers only.



2 Meaning of symbols

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| | |
|---|--|
|  | <p>Important information: Must be read and understood.</p> |
|  | <p>Your product has been designed and manufactured with high quality materials and components, which can be recycled and reused. When this crossed-out wheeled bin symbol is attached to a product or its packaging, it means the product is covered by European Directive 2002/96/EC. Please inform yourself about the local separate collection process for electronic products. Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.</p> |
|  | <p>The “Material recyclability symbol” affixed on package cardboard and user manual means these parts are recyclable. So do not dispose of them with your normal household waste.</p> |
|  | <p>The “Material recyclability symbol” affixed on plastic packaging parts means these parts are recyclable. So do not dispose of them with your normal household waste.</p> |
|  | <p>The “Green Dot” affixed on cardboard means PHILIPS pays a financial duty to the “Avoidance and Recovery of Packaging Waste” organization.</p> |

3 Safety instructions



Your receiver has been manufactured to meet the appropriate safety standards, but the instructions below must be followed to operate it safely. These instructions must be kept for future reference.

- Before connecting the receiver to the mains, check that the mains supply voltage corresponds to the voltage printed on the rear of the receiver. If the mains voltage is different, consult your dealer.
- The receiver does not contain any user-serviceable parts. Do not attempt to open it. All maintenance work must be carried out by qualified services centres.
- If you disconnect the receiver from the mains, make sure to unplug it from the wall socket and not just from the AC socket at the back of the unit. Children could seriously injure themselves, as the free end of the cable is still live.
- It is recommended to unplug the receiver from the mains during lightning storms.
- If the power cord is damaged, it must be replaced. Always refer to qualified services centres.
- To prevent fire or shock hazard, do not expose the receiver to rain or moisture.
- The receiver should be placed on a firm surface, and the ventilation openings must not be covered with items, such as newspapers, table clothes, curtains, etc.
- Do not install the receiver near heat sources such as radiators, stoves or other apparatus that produce heat. Protect it from direct sunlight.
- When installing the receiver, ensure there is a gap of approximately 2 cm around the receiver to enable air to circulate freely and prevent overheating.
- Leave accessible the mains connector at the back of the unit in case emergency shutdown is required.
- Do not place any combustible objects on the receiver (candles, etc.).
- No objects filled with liquids, such as vases, should be placed on the unit. The receiver shall not be exposed to dripping or splashing. Should this happen, disconnect your receiver from the mains and consult your dealer.
- Make sure that children do not place any foreign objects in any of the openings.
- For cleaning, use a soft, damp (not wet) cloth. Never use any abrasive cloth and aerosol cleaners.



Your receiver, as any electronic equipment, consumes power. In order to reduce power consumption, please switch your receiver to "Low Power" whenever you are not using it. For maximum energy saving we recommend you switch off the receiver by unplugging it from the mains if you are not using it for a long time, e.g. during holidays.

4 Product description

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4.1 Front panel









- | | | |
|----------|------------------------------|--|
| 1 | ⏻ button with indicator..... | Standby (short key press) “Low Power” (2-second key press) - indicator lit in red Reset (5-second key press) |
| 2 | P-..... | Channel down Wake up the receiver from stand-by or “low power”. |
| 3 | P+..... | Channel up Wake up the receiver from stand-by or “low power”. |
| 4 | TV/RADIO..... | Toggle between digital TV and digital radio. Wake up the receiver from stand-by or “low power”. |
| 5 | HDTV..... | Indicate reception of HD programmes when lit in blue. |
| 6 | Display..... | Front panel display. See paragraph 4.2. |

Open the door located on the right-hand side of the receiver front panel to access the following:


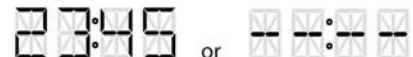




- | | | |
|-----------|-------------------------------|---|
| 7 | V-Output..... | Switch between output formats (HDMI, YPbPr, or EXT1). |
| 8 | V-Format..... | Select picture resolution (Auto, 1080i, 720p, or 576p). |
| 9 | OK..... | Confirm selection. |
| 10 | Smart card slot (slot 1)..... | See chapter 5. |

4.2 Front panel display

4.2.1 Pictograms

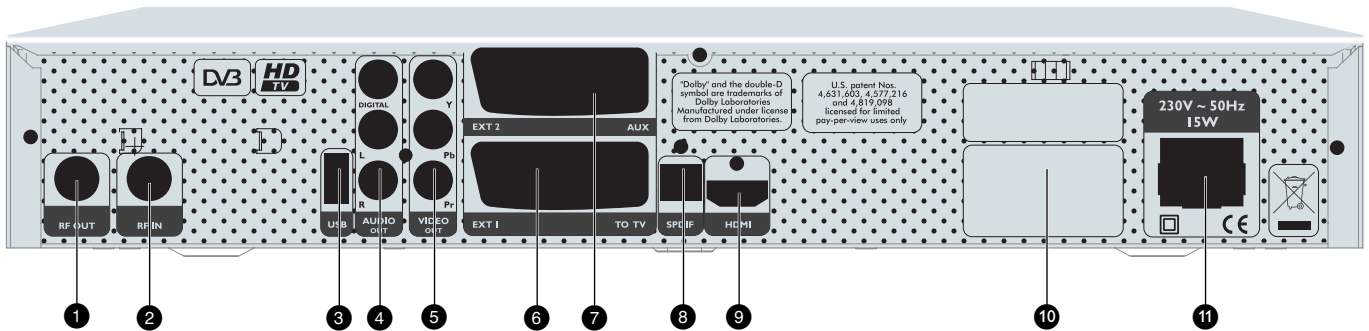
| | |
|---|--|
|  | Represents progression of channel scan or volume change. |
|  | Lit when a recording is running. |
|  | Lit during storage of data at the end of a channel scan. |
|  | Lit when a smart card is required. |
|  | Blinks when receiving a remote control command. |
|  | Lit when at least one recording or reminder has been programmed. |

4.2.2 Description of segment display messages

| | |
|---|---|
|  | Receiver initializing. Please wait. |
|  | Receiver in stand-by |
|  | Receiver tuned on a digital TV channel, e.g. Disney Channel. |
|  | Receiver tuned on a digital Radio channel |
|  | Recording in progress. To cancel a recording which is in progress press TIMER then 0 . |
|  | The device connected to the EXT2 SCART of your receiver is playing back a recording. Stop playback to return to digital channels. |

4.3 Rear panel

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- 1 RF OUT (*) RF output used to connect your receiver to a VCR/TV set to watch analogue channels only, or to connect another receiver
- 2 RF IN (*) RF input used to connect the RF coaxial cable from the wall socket
- 3 USB (*) For future use
- 4 L/R AUDIO OUT (*) Left/Right analogue audio outputs to connect your receiver to your TV left/right analogue inputs
- DIGITAL AUDIO OUT (*) Digital audio output to connect your receiver to the digital coaxial input of your digital audio equipment
- 5 YPbPr VIDEO OUT (*) Outputs to connect your receiver to the YPbPr or component inputs of your TV set or video projector⁽²⁾
- 6 EXT1/TO TV (*) SCART⁽¹⁾ output used to connect your TV set or video projector⁽²⁾
- 7 EXT2/AUX (*) SCART⁽¹⁾ output to connect your video recorder or DVD player
- 8 SPDIF (*) Digital audio output to connect your receiver to the digital optical input of your digital audio equipment using an optical cable (not supplied)
- 9 HDMI (*) HDMI socket used to connect your TV set HDMI input
- 10 Label showing the type and serial number of the receiver
- 11 230V~50Hz 15W max(**) Socket to connect the mains cord

* Safety Extra Low Voltage

** Hazardous Voltage

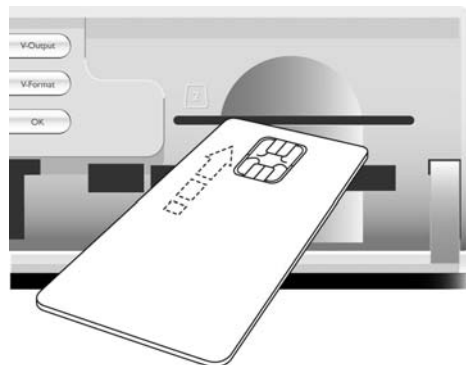
⁽¹⁾ SCART is also called Euroconnector or Péritel.

⁽²⁾ If you consider using a video projector, refer to its user manual for the best video format to feed it. If necessary, refer to paragraph 13.5.2 to properly set the EXT1/EXT2 SCART Output.

5 Inserting your Smartcard

You will be delivered a smart card when taking up a subscription.

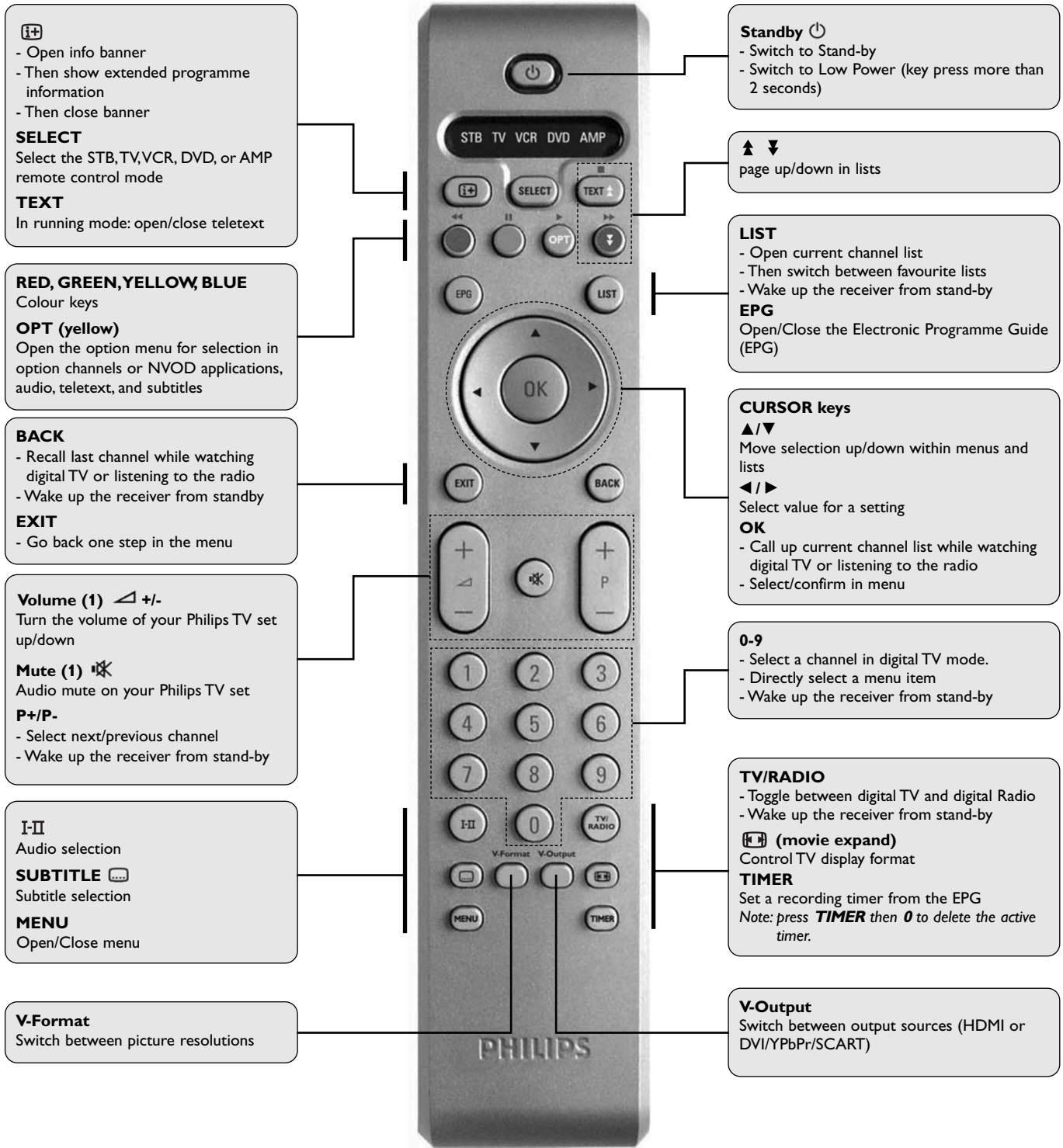
Insert your smart card in the direction indicated by the arrow with the golden chip facing up, and push it as far as it will go into the upper slot.



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6 Using your remote control when the STB mode is selected

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(1) If you have a TV set other than Philips, refer to paragraph 15.3 to change the brand setting of your remote control.

Infrared interference on external devices
To avoid bad remote control reception, place your external devices out of sight of the ambient lights of your TV set.

7 Connecting your digital receiver

There are several ways you can connect and integrate your digital receiver into your existing audio/video equipment setup.



Warning!

Before starting:

- Unplug all equipment (TV set as well as recorder) from the mains. Do not connect your digital receiver to the mains supply now.
- Refer to the relevant connection diagram to incorporate your digital receiver into your existing audio/video setup.

7.1 Connections

The SCART cable connected to **EXT1** on your receiver is used to watch VCR or DVD playback.

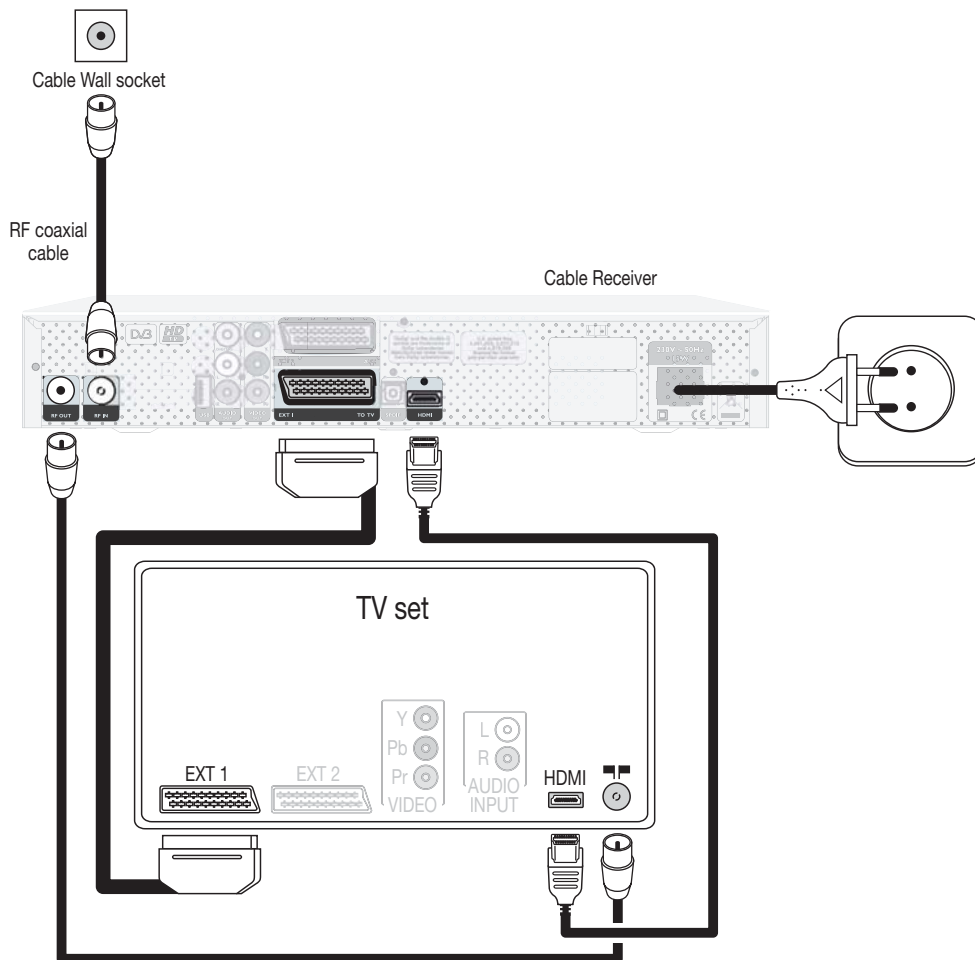
7.1.1 Your TV set is HDTV capable (HD-Ready label)

You want to connect your receiver so as to receive HDTV in HD quality.

7.1.1.1 Digital connection to TV via HDMI (lead supplied) - recommended

You have an HD-Ready TV set which is fitted with an HDMI input.

Incorporate your receiver in your existing installation as described below.

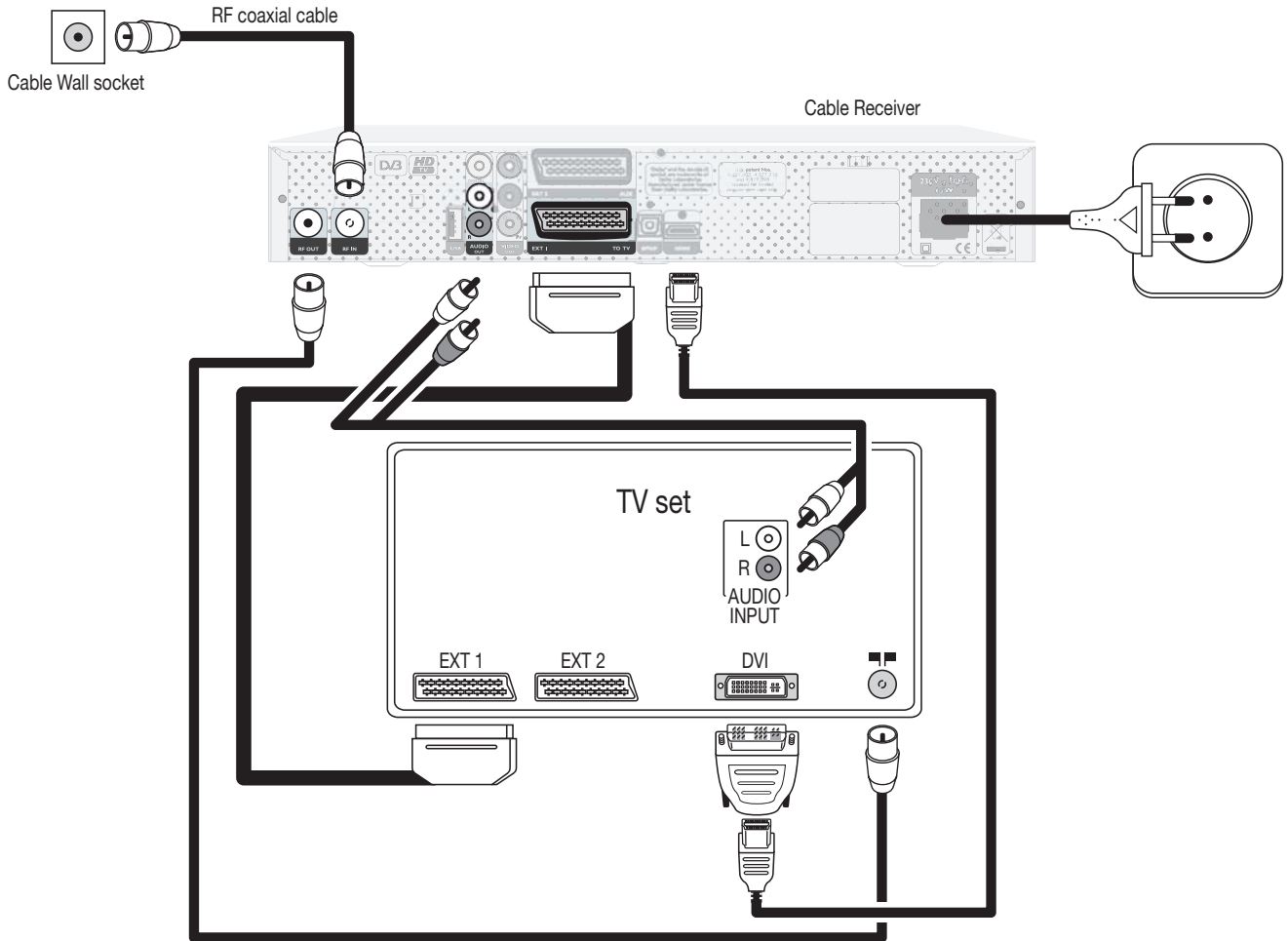


7.1.1.2 Digital connection to TV via DVI - recommended if your TV set is not fitted with an HDMI input

You have an HD-Ready TV set which is fitted with a DVI input only.

Incorporate your receiver in your existing installation as described below.

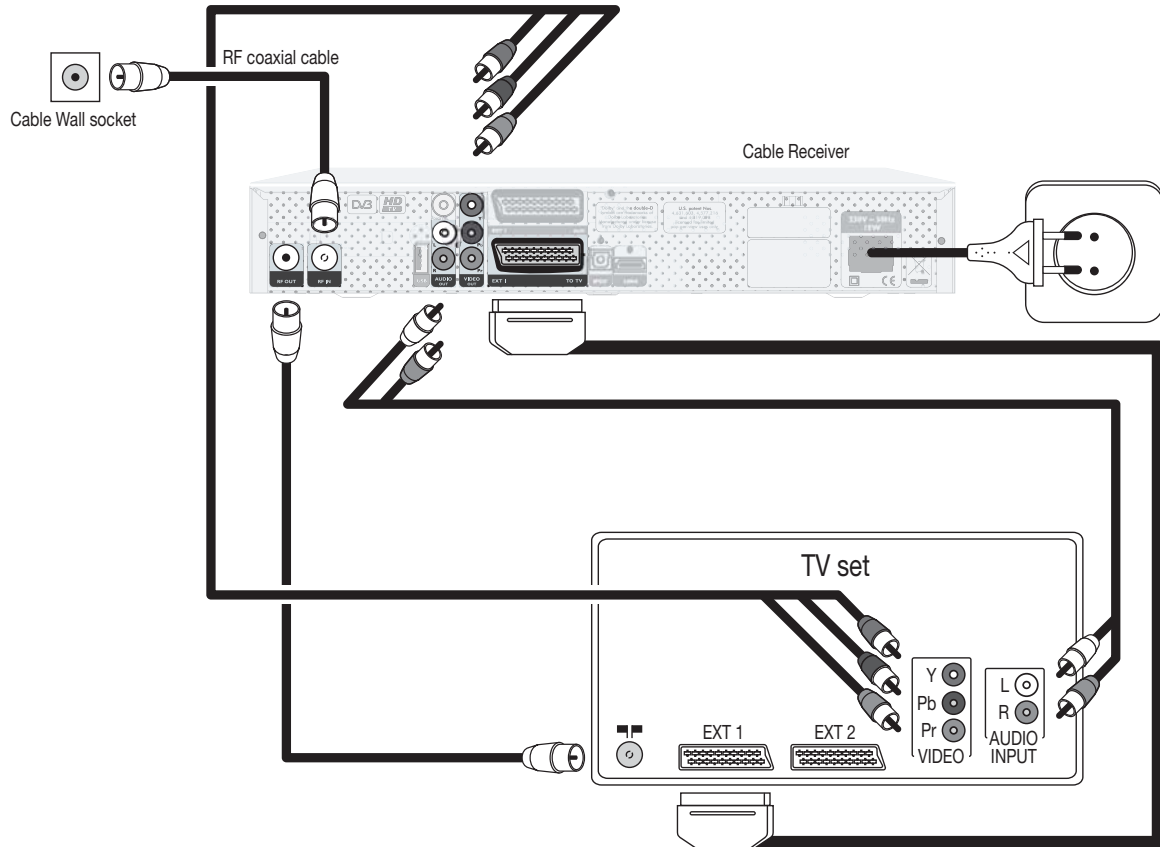
EN



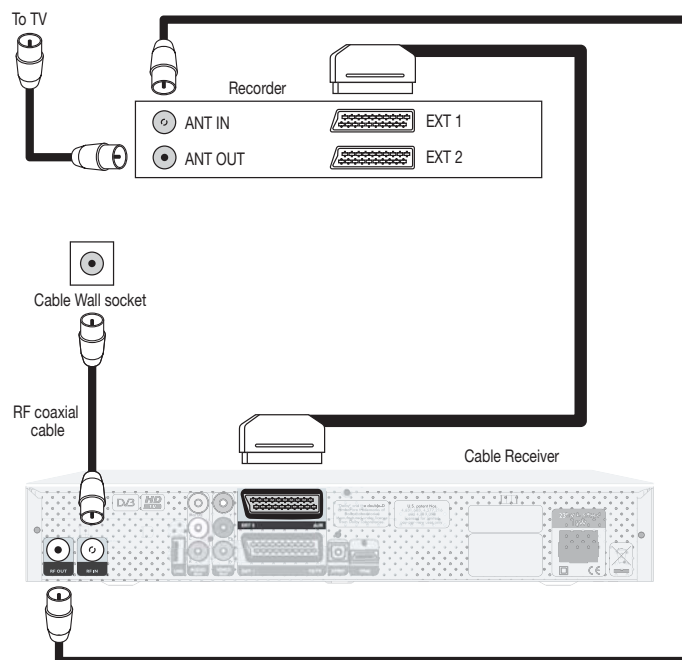
7.1.1.3 Analogue connection to TV via YPbPr (lead not supplied)

You have a TV set which is fitted with a YPbPr input (component input, no HDMI or DVI input). Incorporate your receiver in your existing installation as described below.

You may not be able to receive some content-protected, premium HDTV channels as these are only available through HDMI or DVI connection.



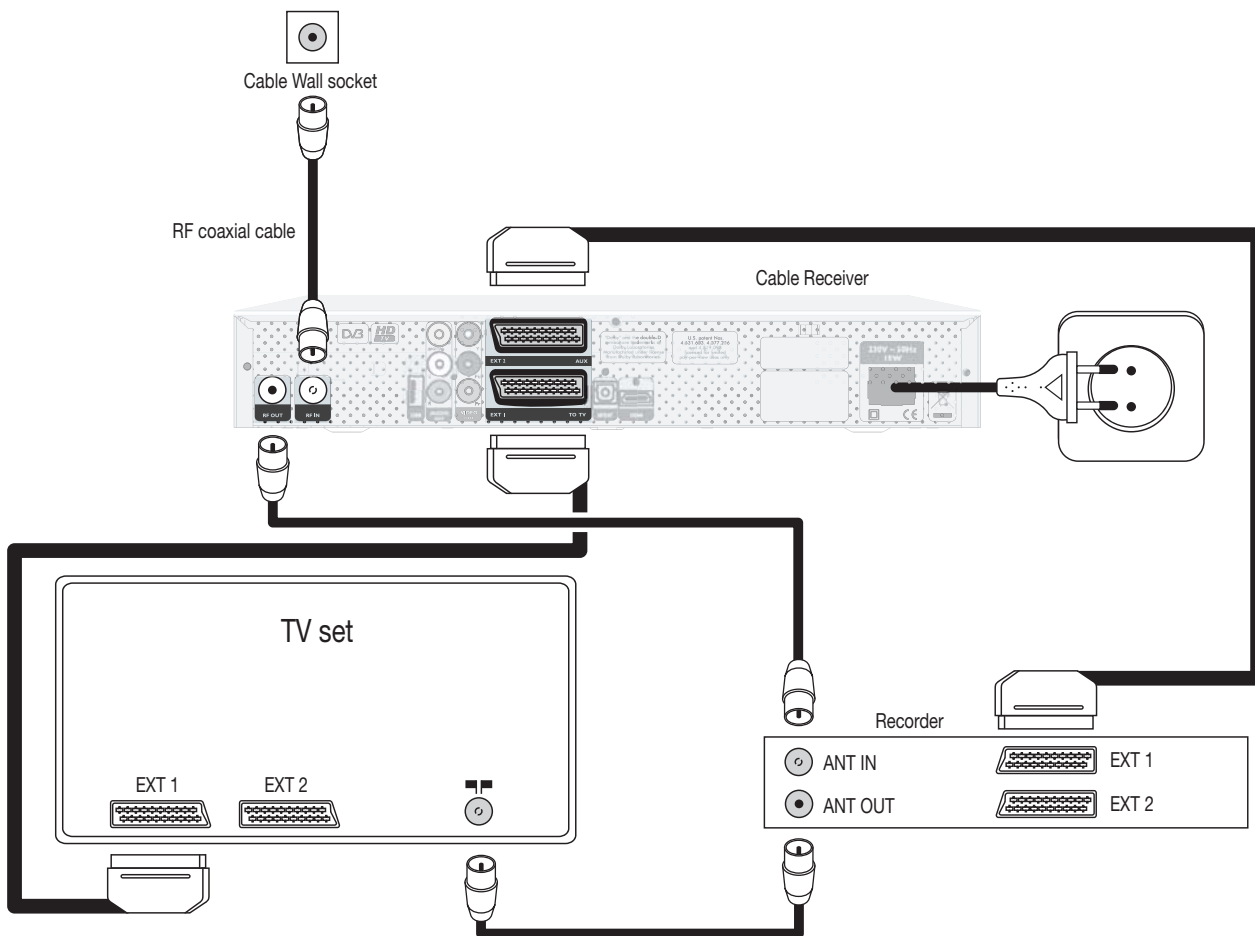
7.1.1.4 Connection to a recorder



7.1.2 Your TV set is only SDTV capable

Incorporate your receiver in your existing installation as described below.

EN



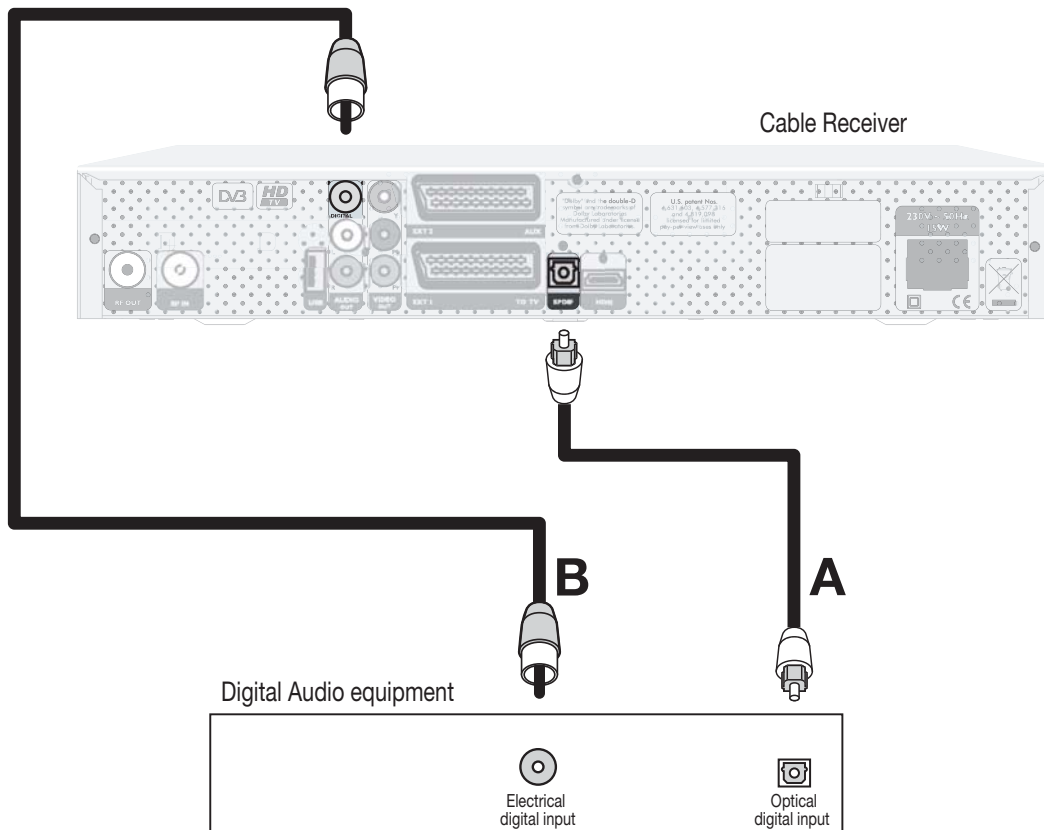
- Connect the cable from the cable wall socket to the “RF IN” socket of your digital receiver.
- Connect the “EXT1” SCART socket of your digital receiver to the RGB capable SCART socket of your TV using the SCART lead supplied with your digital receiver.
- Connect the “EXT2” SCART socket of your digital receiver to the “EXT1/OUTPUT” SCART socket of your recorder using a SCART lead.
- Plug all your equipment, excluding your digital receiver, into the mains.

This connection applies to both VCRs and DVD recorders fitted with one or two SCART sockets. With this connection set up, you can:

- watch digital TV while you record analogue TV.
- watch analogue TV while you record digital TV.
- record the digital TV channel you are watching.
- watch play-back from your VCR or DVD.

7.1.3 Digital audio connections

Depending on your audio equipment, you have several options to connect your digital receiver.



CONNECTION (A)

Either

Connect the “SPDIF” digital audio output socket to the relevant input socket of your audio equipment using an optical cable (not supplied). Consult the user manual of your audio equipment to locate the proper digital audio input. ⁽¹⁾

CONNECTION (B)

Or

Connect the audio “DIGITAL” output socket to the relevant digital audio input socket of your audio equipment using a single CINCH cable (not supplied). Consult the user manual of your audio equipment to locate the proper digital audio input. ⁽¹⁾

⁽¹⁾ With either connection, you can only control the volume (up/down and mute) using your audio equipment remote control; refer to the user manual of your audio equipment. To perform volume control using your receiver remote control, refer to the remote control user manual.

When using one of these digital audio connections, you may experience a de-synchronisation between sound and pictures (Lip synchronisation). To restore synchronisation, change the **Lip Synchronisation** setting as described in paragraph 9.7.

7.2 Connecting to a video projector to watch Digital TV

7.2.1 Your video projector is only SDTV capable

Connect the “EXT1” SCART socket of your digital receiver to your video projector.

Video projectors are often fed with S-Video format video signals. If this is the case with your projector, follow the instructions below for connection and installation:

- Connect a SCART/S-Video adapter to the “TV” SCART of your receiver (not supplied), and connect the adapter to the S-Video input of your video projector by means of a S-Video cable.
- Installation: refer to chapter 13.5.2 to change the “TV/VCR output” setting of your digital receiver to S-VIDEO/PAL-CVBS.

7.2.2 Your video projector is HDTV capable (YPbPr, DVI, or HDMI interface)

Connect the HDMI, DVI, or YPbPr socket of your digital receiver to the corresponding input on your video projector.

8 First installation

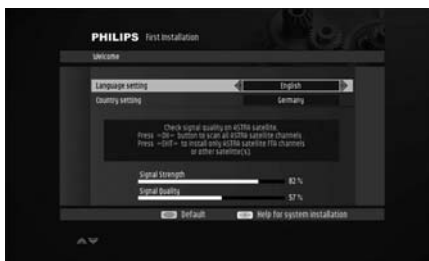
EN



You have inserted the batteries supplied in your remote control.

Your receiver is connected to the cable wall socket, TV set and other equipment according to one of the diagrams in chapter 7.

- Switch on your TV set and select the appropriate HDMI input (refer to your TV set user manual).
- Plug the receiver's power supply cord into the mains. The receiver display indicates **BOOTING**, then **WELCOME**.
- Press **V-Output** once, then check the receiver display indication:
 - If **HDMI DETECTED** is displayed, check that the welcome screen displays on your TV screen.
 - if **VIDEO OUTPUT** is displayed instead, successively press **V-Output** until the source selected matches your connections as described in paragraph 7.1 and the welcome screen appears on your TV screen.
- Press **P+** then **P-**. Wait for a few seconds for the **First Installation** screen to appear.



8.1 Installation settings

- Select your favourite language.
- Check for adequate signal strength and quality.
- Press **OK** to start searching for channels. The **Installation** screen appears.
- Proceed to paragraph 8.2.

If you press **EXIT** during the scanning process, you interrupt the scanning and go back to the previous screen. In this case, none of the channels found are stored.



8.2 Channel search

Once the scan has been successfully completed, a completion message is displayed.

- Press **OK**.
- A new screen appears, with a message indicating that a search for new, upgraded software is in progress:
- Either wait for software detection, and then proceed as indicating on screen. It is recommended to accept software so as to keep your receiver up-to-date. At the end of the first installation, the receiver tunes to the first channel in the main TV list.
 - Or press **EXIT** to stop searching for new software and tune the receiver to the first channel in the main TV list.

8.3 Search failure

In case of channel search failure, a message is displayed.

- Press **EXIT** to go back to the **First Installation** screen.

Before starting a new scan


The following checks are recommended to recover adequate signal quality and strength:


- Check the RF coaxial cable.
 - Then check the RF coaxial cable connection to your receiver (see chapter 7).
- When the signal strength and quality is adequate, press **OK** to launch a new search.

If the failure message appears again, refer to chapter 17 to find out the reason for failure. For a proper diagnosis and installation check, call your installer.

9 Day-to-day operation

9.1 Switching your receiver ON, or to LOW POWER or STAND-BY

In standby mode, there is no picture, no sound but your receiver is still active and the display indicates the time or .

In low power mode, your receiver is off and the  button indicator is lit in red.



Your receiver is in low power:

- Press **P+**, **P-**, or **TV/RADIO** either on the remote control or front panel, or press any number key on the remote control to switch to standby.

Your receiver is in standby:

- Press **P+**, **P-**, or **TV/RADIO** either on the remote control or front panel, or press any number key on the remote control to switch the receiver on.

You are watching digital TV or listening to digital radio.

- To put your receiver in stand-by, press  either on the remote control or front panel.
- To put your receiver in “low power”, press  for 2 seconds either on the remote control or front panel.

Although it is recommended to switch your receiver to “low power” when not using it so as to save energy, bear in mind that update functions are not supported in “low power”. Thus you should allow your receiver to remain in standby regularly (at least once a week) so as to enable updates.

9.2 Switching from watching digital TV to listening to digital radio

To switch your receiver from digital TV to digital radio and from digital radio to digital TV:

- Press **TV/RADIO** either on the remote control or on the front panel.

9.3 Changing channels while watching digital TV or listening to digital radio

9.3.1 Using number keys of the remote control





- Dial a number using the remote number keys to tune the corresponding channel.

9.3.2 Using P+/P- keys of the remote control or P+/P- buttons of the front panel

- Press **P+** to tune the next channel in the current channel list.
- Press **P-** to tune the previous channel in the current channel list.

9.3.3 Using channel lists

To select a channel from a channel list:

- Press **LIST** to display the current channel list (either the main TV list or the bouquet list previously selected).
- Press **LIST** repeatedly to display the list you want to select.
- Scroll to the channel you want to tune using the  or  key. Scroll from one page to another using the  or  remote control key.
- Press **OK** to confirm your choice. You can preview the channel on the right hand



- side of the screen or listen to the selected radio channel.
- Press **OK** again to close the channel list and watch the programme in full screen view.

Empty favourite lists cannot be opened.



9.4 PIN code

Child protection is a high priority. By entering your PIN code, you can watch programmes that have been locked for child protection at any time of the day or night - without neglecting the issue of child protection. For a programme to be passed for universal viewing, a certificate is required by law from the FSK (Free Self Control) on behalf of the State Child Protection Authorities. For a locked programme to be broadcast, a 4-digit PIN code has to be entered. You receive your PIN code together with your smart card.

Please note that this code is different from your password (also called "system password"). The PIN code is used to access programmes to which a maturity rating is assigned. Such programmes are systematically locked so as to prevent unsuitable audiences from watching them. When a maturity rating is associated to the current programme, a specific icon appears in the channel banner.

To view a locked programme, enter your PIN code when prompted.

Keep your PIN code secret to prevent children from using it.

To modify your PIN code, refer to paragraph PIN-Code Change.



9.5 Banner

An information banner is used to display information about the current channel and programme. Each time you change channel, the banner appears at the bottom of the screen, indicating:

- the current date and time
- the current channel list name
- the current channel name and number in the current channel list
- icons indicating the channel characteristics, e.g. availability of subtitles (see icon description table)
- NOW programme information (and NEXT programme information, accessible by pressing the ► key)
- a bar graph indicating:
 - the start time of the current programme,
 - the start time of the next programme,
 - the current progress.

To display the banner anytime while watching digital TV or listening to digital radio:

- Press **INFO** (INFO).

For more info about the current programme while the banner is on:

- Press **INFO** (INFO) a second time.

To close the banner:

- Press **INFO** (INFO) a third time.

| Icon | Description |
|------|----------------------------------|
| | Soundtrack selection |
| | Current favourite list |
| | Maturity rating available |
| | Scrambled channel |
| | Locked channel |
| | Subtitles available |
| | Dolby Digital audio available |
| | Additional info available |
| | Reminder set |
| | Recording timer set |
| | 16:9 format available (EPG only) |
| | HD programme available |
| | Alternate options available |

9.6 Volume control / /

Your remote control is set to perform volume control through a Philips TV set. If you have a TV set other than Philips, refer to paragraph 15.3 to adapt the brand setting of your remote control to your TV set.



9.7 Current programme options/Lip Synchronisation

The **OPT** key is used to directly access the video content selection, audio language, subtitles language, teletext options and Lip synchronisation (sound-pictures synchronisation).

To change the current programme options:

- Press **OPT**.
- Set the desired setting using the ◀ or ▶ key.
- Press **OPT** to exit.

By default, subtitles are disabled.

If you use digital audio connections as described in paragraph 7.1.3 and experience sound-pictures de-synchronisation, change the **Lip Synchronisation** setting.

To change the **Lip Synchronisation** setting:

- Press **OPT**.
- Press the blue colour key.
- Change the setting as appropriate using the ◀ or ▶ key.
- Press the blue colour key to save the change.
- Press **OPT** to exit



9.8 Electronic Programme Guide (EPG)

While watching digital TV or listening to digital radio:

- Press **EPG** to open the EPG for the current channel. The highlight is on the current programme (also called "NOW" programme).

If after a short time no information appears for the current or the next programme, it means that no information is available.

- Press **i+** (INFO) to display extended information for the highlighted programme. When information is made up of several pages, press ▲ or ▼ to scroll up or down. Press **i+** (INFO) again to quit extended information.
- Press the ▼ or ▲ key to move the highlight to the previous or next programme respectively.
- Press the ◀ or ▶ key to view the previous or next day programme list respectively.
- Press **P-** or **P+** to view the previous or next channel programme list respectively.

To set a recording timer or a reminder, follow the instructions displayed on the screen.

EPG information has to be updated regularly (at least once a week). Updates are performed automatically every time you turn your receiver to standby. To allow for complete update of EPG information, make sure you regularly turn your receiver to standby. If your EPG information has not been completely updated, some pieces of information may not be available; for instance, you might get incomplete information when performing a search. Also note that EPG information has to be fully reloaded in case of power failure, "low power" mode, or network or content modification.

9.9 Set or delete recording timers

Recording timers are used to perform VCR or DVD recordings.



Please note that during a recording your receiver is locked and most remote control keys are inactive. To watch another digital channel, you must cancel the active timer.

9.9.1 Setting a timer in the EPG

- In the EPG, press **TIMER** once to set a recording on the selected programme that is highlighted. Press **TIMER** once again to set a reminder on the programme. The timer type is signalled in the highlight using icon **LO** for recordings or icon **⌚** for reminders. Press **TIMER** a third time to delete the timer.

When setting a timer on a locked channel, you will be prompted to enter your password.

To edit a timer from the EPG:

- Move the highlight to the desired programme and press **OK** to access the Timer Edition screen.

9.9.2 Cancelling an active timer

A timer is active; recording is signalled by the **RECORDING** indication on the display.

To delete the active timer:

- If your receiver is in standby, press **P+**, **P-**, **TV/RADIO**, or any number key.
- Press the key sequence **TIMER** then **0** to cancel the active timer. The **RECORDING** indication then disappears and you can change channels.

9.9.3 Your receiver is locked with the **RECORDING** indication shown on the front display

Your receiver is blocked because a timer is active.

- Press the key sequence **TIMER** then **0** to cancel the active time and recover full control of your receiver.

9.10 Viewing teletext

- Press **TEXT**.
- Use number keys to select a page.
- Press **TEXT** to exit.

9.11 Checking or changing the video output resolution setting

To check the current output resolution setting, press **V-Format** once.

In case the picture displayed is distorted, try switching between output resolution settings by successively pressing **V-Format**.

10 Premiere features

Some Premiere channels include special features. On so-called “Options channels”, during sports broadcasts, you can choose between different matches (e.g. football), change audio soundtracks (e.g. stadium/ commentary) or choose between different camera angles (Formula 1). Using the “Options channels” on the PREMIERE DIREKT portal channels, you can also choose the start time of your choice for the movie you're ordering.

10.1 Premiere Multifeed

Premiere sports broadcasts are available via the Options channels. This means that the viewer can choose from a wide variety of channels and angles via the PREMIERE sports portal. A programme can be selected as follows: When multifeed options are available for the current programme, the **OPT** icon is displayed in the channel banner. To select a multifeed option:

- 1 Press the yellow **OPT** key of the remote control to open the Options screen.
- 2 Scroll to the option you want to set using the ▲ or ▼ key.
- 3 Select the sports programme using the ◀ or ▶ key.
- 4 Press **OK** to confirm and exit the Options screen.

10.2 PREMIERE DIREKT

PREMIERE DIREKT presents various programmes at various times that you can order individually. All the information about the programmes on offer, prices and the process of ordering is available from the PREMIERE DIREKT portal or at www.premiere.de/direkt.

Here is how you can watch the programmes you ordered on PREMIERE DIREKT:

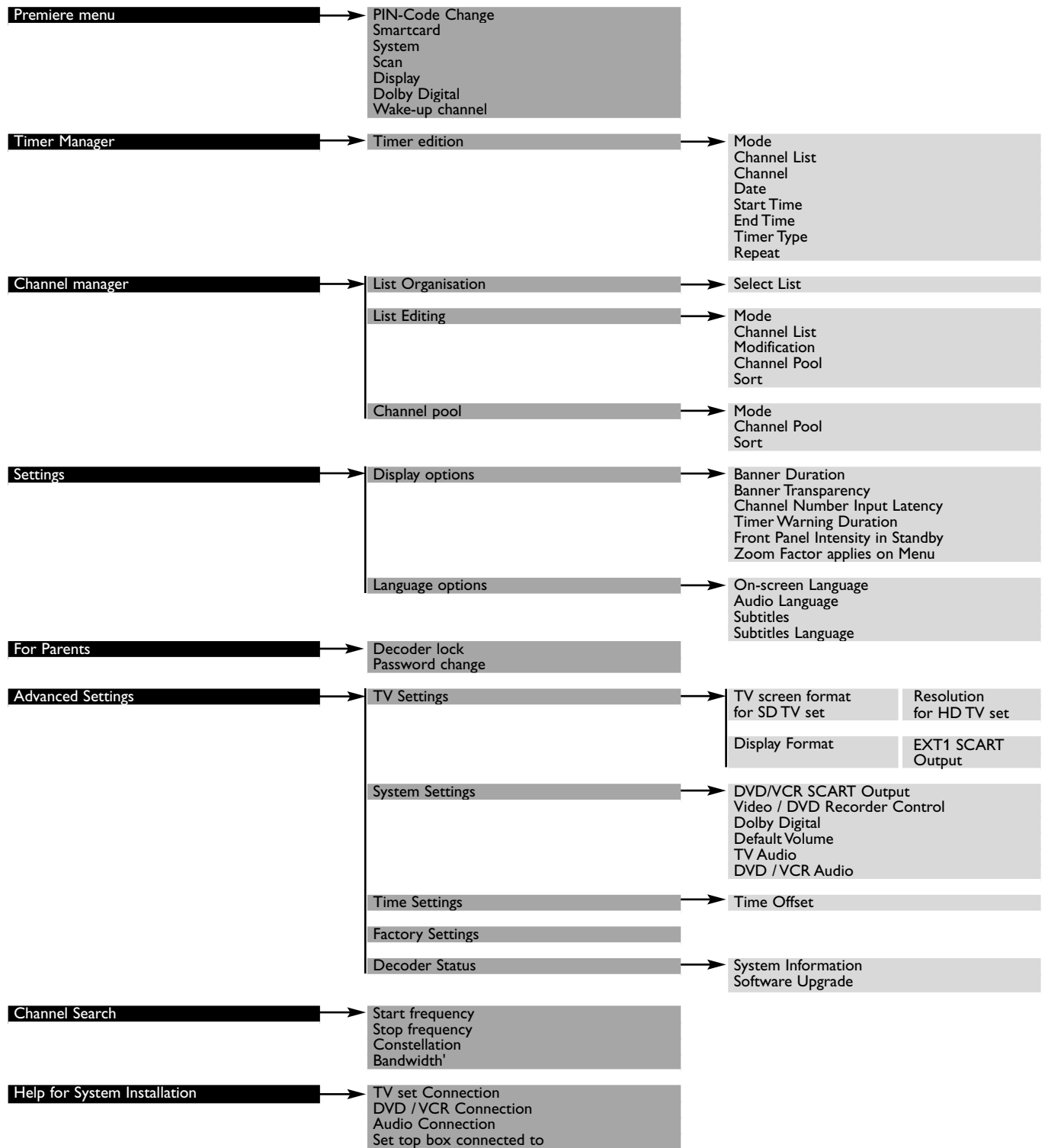
- 1 Press the yellow **OPT** key on the remote control to open the Options screen.
- 2 Use the ▲ or ▼ key to place the cursor on the picture selection.
- 3 Use the ◀ or ▶ key to select the movie at the start time you want, e.g. D2 - 9.30pm.
- 4 Press **OK** to confirm and close the Options window.



11 Premiere Menu

EN

11.1 Menu tree



11.2 Menu navigation

11.2.1 Basics

While watching digital TV or listening to the radio:

- Press the **MENU** key to display the Main Menu.
- Press the **▲** or **▼** key to select the desired menu item. Alternatively, dial the number corresponding to the menu item you want to open.
- Press **OK** to display the sub items.



EN

Press **MENU** to close the menu and return to watching TV.

11.2.2 Changing settings

Once you highlighted an adjustable item or sub item, you can then access the values and make changes using the **◀** or **▶** key to select an option and number keys to enter numerical values.

When Parental control is activated, you need to enter your password to open certain menu items.

11.2.3 Cancelling/storing changes

- Either press **EXIT** to exit the screen without storing changes.
- Or press **OK** to validate changes and exit the screen.

In both cases, the selection moves one step back in the menu.

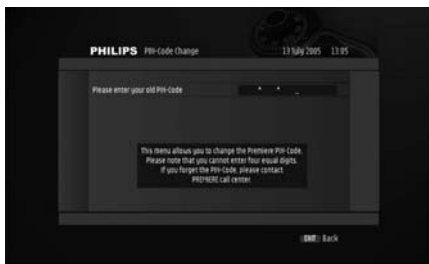
12 Premiere Menu

EN



The Premiere Menu includes the following items:

- o PIN Code Change
- o Smartcard
- o System
- o Scan
- o Display
- o Dolby Digital
- o Wake up



12.1 PIN Code Change

This screen is used to modify the PIN code for the protection of minors. To modify your PIN-Code, follow the instructions displayed on screen.



12.2 Smartcard

This screen is used to display information about your smartcard.

12.3 System

This screen is used to display information about your receiver, including the Premiere Serial Number and software version.

12.3.1 Software Upgrade

12.3.1.1 Automatic software upgrade notification

While in Stand-by, your receiver searches for software upgrade. If available, a notification is displayed at receiver wake-up from Stand-by. To upgrade your receiver, follow the instructions displayed on screen.

12.3.1.2 Check for new software availability

- Press the red colour key from the **System** screen described above to launch a search for new software. After a few seconds, the **Software Upgrade** screen indicates whether new software is available.
- To proceed with the receiver software upgrade, refer to paragraph 13.5.5.2.



12.3.2 Factory Settings

This screen is used to reset your receiver back to the factory default condition.

- Press the green colour key.
- When prompted, press the green colour key again to confirm.
- Alternatively, press **EXIT** to exit the screen without modifying the receiver settings.

If you reset your receiver to factory settings, you lose all the settings you stored previously.

12.4 Scan

This screen is used to view the date and results of the last scan performed. It may also be used to launch a new scan.

- Press the green colour key to scan the KDG network.
- Alternatively, press the yellow colour key to search for All channels.

12.5 Display

This screen is used to set your receiver according to your TV set screen format and depending on the output selected (HDMI/DVI, YPbPr, or EXT1/2).

- Set values for the following (default settings are underlined>):

| | HDTV output | | SDTV output |
|-------------------------|--|-------|---|
| | HDMI/DVI | YPbPr | EXT1/2 |
| TV Screen Format | 16: 9 | | 4: 3 or 16: 9 , depending on your TV set |
| Display format | Full Screen or Pillar Box , or Extended See table in paragraph 13.5.1. | | Auto or Letter Box , or Centre Cut-Out |
| Resolution | Auto , 1080i , 720p , or 576p | | Not adjustable (always 576i) |
| TV SCART Output | Not applicable | | RGB (recommended) or CVBS , or S-VIDEO |
| AV Control | | | On (recommended) or Off |

- Press **EXIT** to exit the screen.

12.6 Dolby Digital out of the digital audio output

This screen is used to enable/disable Dolby Digital sound.

When Dolby Digital is disabled, you can still get stereo sound in digital format (PCM).

12.7 Wake up

This screen is used to set the channel to be tuned at the receiver wake-up. Default setting is programme 100.



13 Settings

EN

13.1 Timer Manager

The Timer Manager is used to set, edit or delete:

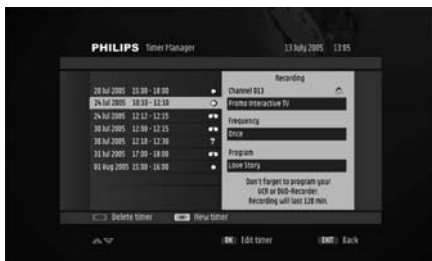
- o recording timers for the programmes you want to record using your VCR or DVD recorder,
- o reminders for the programmes you want to see in the near future.



To be able to record a digital channel using a VCR or DVD recorder, you must program both your recorder and receiver:

- You must set a timer on your receiver.
- You must also set a timer on the VCR or DVD recorder (refer to the VCR or DVD recorder user manual).

If you have a Philips VCR or DVD recorder, you can avoid setting a timer on the VCR or DVD recorder by using the Video/DVD Recorder Control feature. Refer to paragraph 14.3 for more information on Video/DVD Recorder Control.



To delete an existing timer:

- Scroll to the timer you want to delete.
- Press the red colour key to delete it from the timer list.
- Press **EXIT** to exit the screen.

To set or edit a timer:

- Scroll to the timer you want to edit and press **OK** to select it from the timer list.
- Alternatively, simply press the green colour key to set a new timer.
- Then set or modify the following:
 - **Mode:** select **TV** or **Radio** service using the ◀ or ▶ key.
 - **Channel list:** select the list to which the channel you want to record belongs using the ◀ or ▶ key.
 - **Channel:** select the number of the channel on which the programme you want to record is broadcast using the ◀ or ▶ key or number keys.
 - **Date:** select a date using the number keys or the ◀ or ▶ key.
 - **Start time:** select a start time using the number keys or the ◀ or ▶ key to modify the default time in steps of 1 hour.
 - **End Time:** select an end time using the number keys or the ◀ or ▶ key to modify the default time in steps of 1 hour.
 - **Timer Type:** select Recording or Reminder
 - **Repeat:** select **Once** for a single recording at the selected time and date, **Every day** to record once every day, or **Every week** to record once every week using the ◀ or ▶ key.
- Press **OK** to confirm, or **EXIT** to go back to the timer list screen.



When a recording timer is active, you cannot change digital channels, but you can switch to analogue TV from your TV set and zap through analogue channels.

13.2 Channel Manager

During installation, a Main TV channel list and bouquet lists are built up according to your cable TV supplier's presets.

The Main TV or Radio list is made up of three sub-sets:

- a list you can customize according to your preferences: channels 1 to 99 (this list is empty after first installation)
- a list containing all Premiere channels if available: channels 100 to 199
- a list containing all the channels found: from channel 200 onwards.



The Channel Manager sub menu includes the following items:

- o List Organization
- o List Editing
- o Channel Pool

13.2.1 List Organization

This item is used to activate or de-activate bouquet lists.

- 1 Select TV or Radio channel lists using the **TV/RADIO** key.
- 2 Scroll to the list you want to activate or de-activate using the **▲▼** keys.
- 3 Press the red colour key to activate or de-activate the list.
- 4 Press **EXIT** to confirm and exit.

13.2.2 List Editing

This item is used to customize the editable part of the Main TV list (channels 1 to 99).

- 1 Set criteria for the channels you want to Add or Remove/Reorder:
 - **Mode:** **TV** or **Radio** depending on the type of channels you want
 - **Channel List:** **Main TV**, which is the only editable list
 - Set the **Modification** feature you want to use: **Add Channels** or **Remove/Reorder Channels**
 - In case you selected **Add Channels**, you must also define the channel pool from which you want to add channels by setting values for the following:
 - o **Channel Pool:** channel properties you want to use as filtering criteria
 - o **Sort:** list ordering method
- 2 Press **OK** to access the next screen. It may take a few seconds for this screen to appear.

To add channels to the editable part of the Main TV list (Add Channels):

- 1 Scroll to the channel you want to add using the **▲▼** keys.
- 2 Press **OK** to add the channel to the list.
- 3 Repeat this operation as needed.
- 4 Press **EXIT** to exit the screen.

To remove channels from the editable part of the Main TV list (Remove/Reorder Channels):

- 1 Press the red colour key to remove all channels from the list.
- 2 Alternatively, scroll to the channel you want to remove using the **▲▼** keys.
- 3 Press **OK** to remove the channel. Deletion is immediate.

To reorder channels in the editable part of the Main TV list (Remove/Reorder Channels):

- 1 Scroll to the channel you want to move using the **▲▼** keys.
- 2 Press the yellow colour key to enable reordering, as indicated by the presence of the double arrow.
- 3 Move the channel to the desired position using the **▲▼** keys.
- 4 Press **OK** to confirm.
- 5 Repeat this operation as needed.

13.2.3 Channel Pool

This item is used to lock or unlock channels.


When zapping through the channel lists, locked channels will be signalled using a lock icon and protected by PIN-Code. The PIN code is a 4-digit code used to prevent access to inappropriate Premiere programmes (parental control).

To set the channel pool:

- 1 Select values for the following:
 - **Mode:** TV or Radio depending on the type of channels you want to manage
 - **Channel Pool:** channel properties to be used as filtering criteria
 - **Sort:** list ordering method
- 2 Press **OK** to access the next screen. It may take a few seconds for this screen to appear.



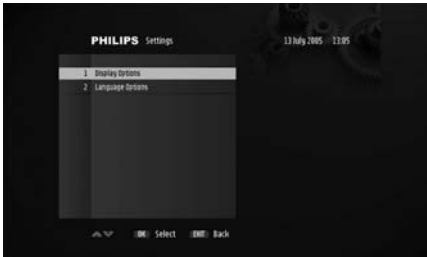
To lock or unlock a particular channel:

- 1 Scroll to the channel you want to lock or unlock.
- 2 Press the yellow colour key to lock it. A  mark appears, indicating that the channel is locked.
- 3 Alternatively, press the yellow colour key to unlock a locked channel.
- 4 Repeat this operation as needed.
- 5 Press **EXIT** to exit the screen.

13.3 Settings

Settings is used to set:

- Display options
- Language options



13.3.1 Display options

This screen is used to set display options according to your preferences.

- Select values for the following:
 - **Banner Duration:** select a banner display duration, from 2 to 8 seconds using the ◀ or ▶ key.
 - **Banner Transparency:** select On to enable banner transparency.
 - **Channel Number Input Latency:** select the time lapse after which a number key press is taken into account, from 1 to 5 using the ◀ or ▶ key.
 - **Timer Warning Duration:** select a banner display duration, from 15 seconds to 5 minutes using the ◀ or ▶ key.
 - **Front panel intensity in Standby:** Low or High
 - **Zoom factor applies on menu:** from 1.0 (no zoom) to 1.2 (+20 % zoom)
- Press **OK** to confirm.

13.3.2 Language options

This screen is used to set language options according to your preferences.

- Select values for the following:
 - **On-Screen Language:** select a language for on-screen display
 - **Audio Language:** select your audio language
 - **Subtitles:** select **On**, **“If audio not available”**, **“Hard of hearing”** for special subtitles for deaf or Hard of Hearing viewers, or **Off** to disable subtitles.
 - **Subtitles Language:** select subtitles language.
- Press **OK** to confirm.

13.4 For Parents

This screen is used to enable Parental Lock and change your receiver password.

The password is a 4-digit code used to lock channels and features of the receiver. This code is different from the PIN code, which is a 4-digit code used to prevent access to programmes not intended for persons under 18.

To enable Parental Lock:

- Select **Yes** to enable Parental Lock.
- Alternatively, select **No** to disable Parental Lock.

Additionally, you may modify your receiver password from this screen.

To modify your receiver password:

- 1 Press the red colour key to access the Password Change feature.
- 2 Enter your current password.

If you have never changed your password, enter 1234 (factory setting).

- 3 Enter your new password using number keys. Note that your password cannot be made up of identical digits.



1911 must not be used as a password!

- 4 Enter your new password again to confirm.
- 5 Press **EXIT**.

13.5 Advanced settings

The Settings sub menu menu includes the following items:

- TV Settings
- System Settings
- Time Settings
- Decoder Status
- Factory Settings

13.5.1 TV Settings

This screen is used to set aspect ratio settings.

- Select values for the following (default settings are underlined>):

| | HDTV output | | SDTV output |
|-------------------------|---|-------|---|
| | HDMI/DVI | YPbPr | EXT1/2 |
| Resolution | <u>Auto</u> , 1080i, 720p, or 576p | | Not applicable |
| TV Screen Format | Not adjustable (always 16: 9) | | 4: 3 or 16: 9 , or Auto depending on your TV set |
| Display format | Full Screen or Pillar Box , or Extended See tables below. | | Auto or Letter Box , or Centre Cut-Out |
| TV SCART Output | <u>CVBS</u> , or S-VIDEO | | RGB (recommended) or CVBS , or S-VIDEO |

- Press **OK** to confirm.

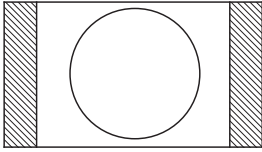
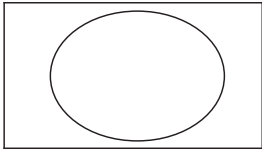
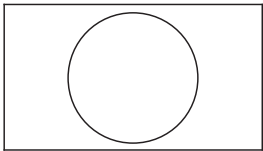
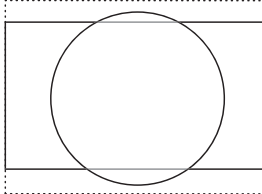
Display format is used to set the way the video is transformed in case the broadcast aspect ratio and your TV screen format (4:3 or 16:9) do not match.

Select **Auto** for automatic format selection.

Case1:

Video via HD connection (HDMI/DVI or YPbPr)

TV screen format is supposed to be 16:9

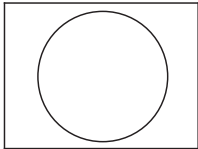
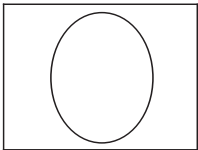
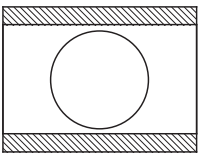
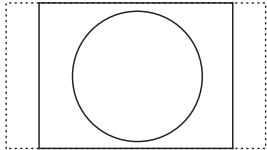
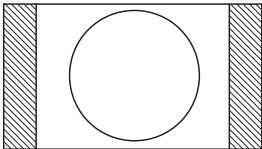
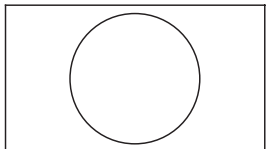
| | Broadcast is 4:3 | Broadcast is 16:9 |
|-------------|---|---|
| Pillar box |  | |
| Extended |  |  |
| Full screen |  | |



Case2:

Video via SCART

TV screen format is either 4:3 or 16:9

| | | Broadcast is 4:3 | Broadcast is 16:9 |
|-------------------|----------------|--|--|
| TV is 4:3 | Auto |  |  |
| | Letter box | |  |
| | Centre cut-out | |  |
| TV is 16:9 | Any setting |  |  |

**13.5.2 System Settings**

This screen is used to set your receiver audio/video output settings.

- Select values for the following:
 - **DVD/VCR SCART Output:** select the EXT2 SCART output format supported by your TV set and DVD/VCR (refer to your TV and DVD/VCR user manual for more information)
 - **Dolby Digital:** select **ON** to enable Dolby Digital sound
 - **Video/DVD Recorder Control:** **No**, **Prepare Record**, or **Record Link** depending on the control feature supported by your recorder (for more information, refer to paragraph 14.3 of this manual or to your recorder user manual)
 - **TV Audio:** select **Stereo** or **Mono** depending the audio output format of your TV
 - **DVD/VCR Audio:** select Stereo or Mono depending the audio output format of your DVD/VCR
 - **Default Volume:** select the volume level at wake-up.
- Press **OK** to confirm.

13.5.3 Time Settings

This screen is used to set the local time offset with respect to actual local time retrieved from the network.

The offset setting is updated automatically.



- 1 Select the appropriate Time Offset with respect to GMT time.
- 2 Press **OK** to confirm and exit the screen, or **EXIT** to exit without storing the changes.

13.5.4 Factory Settings

This screen is used to reset your receiver back to the factory default condition.

- When prompted, press the red colour key to confirm.
- Alternatively, press **EXIT** to exit the screen without modifying the receiver settings.

If you reset your receiver to factory settings, you lose all the settings you stored previously.



13.5.5 Decoder Status

The Decoder Status sub menu includes the following items:

- o System Information
- o Decoder Upgrade

13.5.5.1 System Information

This screen is used to display information about your receiver, including the Premiere Serial Number and software version.

You can also access this screen via the Premiere menu.



13.5.5.2 Software Upgrade

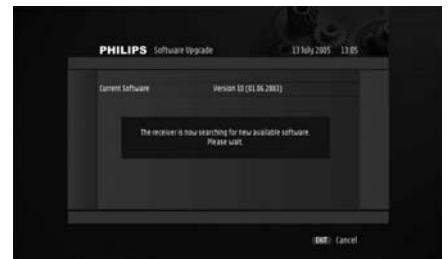
This item is used for software upgrades. Select it to check the current software version as well as launch a search for new software. After a while, the **Software Upgrade** screen indicates whether new software is available.

- Press **EXIT** to exit the screen in case no new software is available.
- In case software is available, you are offered three options:
 - Press the green colour key to choose to upgrade your receiver immediately, and then press **OK** to launch new software installation.
 - Or press the yellow colour key to choose to upgrade your receiver later, and then press **OK** to confirm your choice. New software installation takes place as soon as you set your receiver to standby.
 - Or press the red colour key to refuse to upgrade your receiver and return to the Decoder status sub menu.



After successful software installation, a confirmation message is displayed. In case of installation failure, a failure message is displayed, indicating that a new installation attempt will take place as soon as you set your receiver to standby. In both cases, press **OK** to exit the upgrade process.

You can also launch a search for new software from the screen described above using the red colour key.



Software upgrade messages

| | |
|----------------------------|--|
| START UPDATE | Software update starting |
| LOADING 000 LOADING 100 | Software loading progress: from 0 to 100% |
| SAVING 000 SAVING 100 | Software storing progress: from 0 to 100% Do not unplug the receiver before the end of the storing operation. |

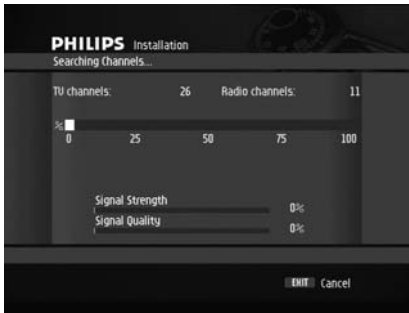
13.6 Channel Search

This item is used to search for new channels.

It is recommended not to change the predefined settings:

- Start frequency: 114 MHz
- Stop frequency: 858 MHz
- Constellation: Auto
- Band width: 8000 KHz





Press **OK** to start searching for new channels.

During the scanning process, the following information is reported on screen:

- the number of TV and Radio channels found,
- the scanning progress, indicated as a percentage,
- the strength of the signal and the quality of reception.

If you press **EXIT** during the scanning process, you interrupt the scanning. In this case, none of the channels found are stored.

When scanning is successfully completed, a completion message is displayed as well as the number of channels detected.

Press **OK** to tune the receiver according to the Wake-up channel setting.

14 Advanced settings

14.1 Restoring factory settings

To restore your receiver factory settings, refer to paragraph 13.5.4.

14.2 Changing the remote control setting

If you have other items of equipment in your home and the remote control of the Philips receiver interferes with them, you can change the setting of the remote control. For this you must first change the setting of your remote control and then change the setting of your receiver.

First change the setting of your remote control:

- Select the **STB** mode.
- Simultaneously press number keys **1** and **3** and hold them for at least 3 seconds. The green indicator surrounding the **⏻** key blinks twice.
- Simultaneously release the two keys.
- Enter the new setting within the next 60 seconds:
 - 1646 for alternative setting (STB 2)
 - 1103 for the default factory setting (STB 1)

The green indicator surrounding the **⏻** key blinks twice again, indicating successful setting change. The remote control can also be tested by trying to control the receiver. If the setting has been changed, the remote no longer operates the receiver.

If the batteries are removed while a key is being pressed, the default factory setting is restored.

Then change the setting of your receiver:

- Disconnect your receiver from the mains.
- Reconnect your receiver to the mains. The green indicator turns on, then it turns off while **BOOTING** displays. When the green indicator starts blinking, simultaneously and briefly press the **P+** and **P-** buttons on the front panel. **RCU:SETTING** appears.
- Press the **OK** key of your remote control.

The display then indicates either the setting change or the setting change failure (see table below).

Remote control setting messages

| | |
|-------------------------------|--|
| RCU:SETTING | Receiver in remote control setting change mode |
| SET TO STB2 or SET TO STB1 | Successful remote control setting change |
| RCU:PASS | Remote control setting changed |
| RCU:FAILED | Remote control setting change failed |

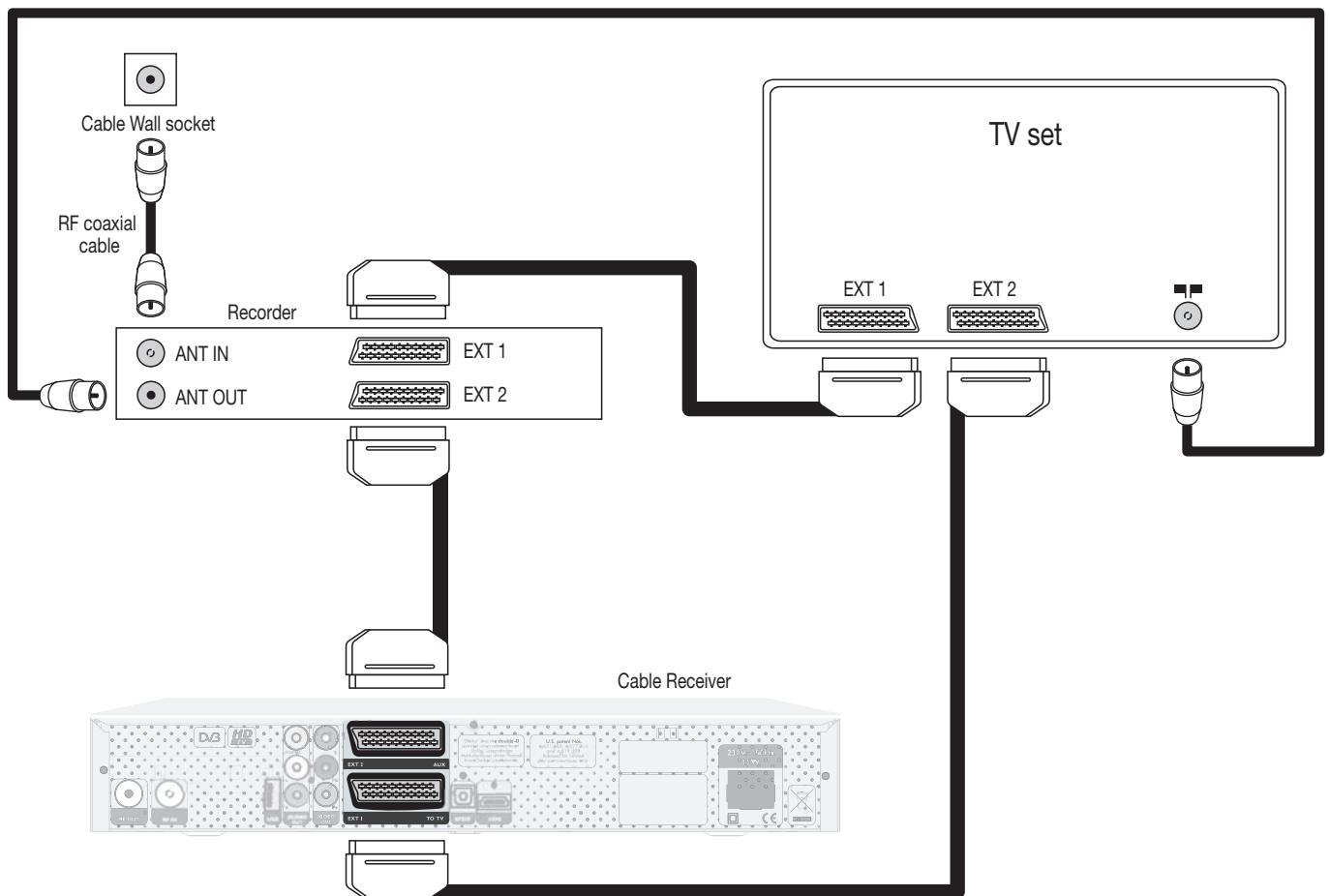
14.3 VCR or DVD recorder control

14.3.1 Connecting your equipment for Video/DVD Recorder Control

The Video/DVD Recorder Control feature allows automatic recording without requiring you to programme your VCR or DVD recorder. All you need to do is set a recording timer on your receiver. Your VCR or DVD recorder will then start/stop recording automatically. Prior to setting this feature:

- Consult the user manual of your VCR or DVD recorder to check if and how VCR/DVD is supported (sometimes called Easy Recording). Most Philips VCR and DVD recorders support one of the two Video/DVD Recorder Control options, i.e. Prepare Record or Record Link.
- Check that your TV and VCR or DVD are both fitted with two SCART sockets.

- Incorporate your receiver in your existing installation as described below.



- Connect the cable from the cable wall socket to the “RF IN” socket of your digital receiver.
 - Connect the “EXT1” SCART socket of your digital receiver to the EXT1 SCART socket of your TV using the SCART lead supplied with your digital receiver.
 - Connect the “EXT2” SCART socket of your digital receiver to the EXT2 SCART socket of your recorder (called “IN” or “DECODER”) using a SCART lead.
 - Connect the EXT1 SCART socket of your recorder (called “OUT”) to the “EXT2” SCART socket of your TV using a SCART lead.

- Plug all your equipment, excluding your digital receiver, into the mains.
- Read chapter 1 to proceed with the channel scan if not already done.

With this connection set up:

- You can watch digital TV while you record analogue TV.
- You can watch analogue TV while you record digital TV.
- You can record the digital TV channel you are watching.

Some VCR or DVD recorders need to be in standby to use the Easy recording or Record link feature. Refer to your VCR or DVD recorder user manual.

14.3.2 Digital receiver and VCR or DVD recorder settings

- Depending on your VCR or DVD recorder brand and type, you have to set the recording control option to “Prepare Record” or “Record Link”. Refer to the VCR or DVD recorder user manual, or try the two options to find out which is most suitable.
- Set your VCR or DVD to “Prepare Record” or “Record Link” to allow control by your digital receiver.

14.3.3 Recording using the Video/DVD Recorder Control feature

- Your digital receiver, TV and VCR or DVD are connected and set according to paragraph 14.3.1.
- You have set a timer on your digital receiver.
- At timer start, your VCR or DVD recorder starts recording, and at timer end it stops recording under the control of your digital receiver. You no longer need VCR or DVD programming to record digital TV channels.

15 Programming your remote control for your audio/video equipment brands

Prior to using your universal remote control, check or set the following:

- Device you want to control (Mode selection)
- Volume and mute control assignment
- Brand setting for your TV, VCR, DVD and Amplifier

15.1 Mode selection (selecting the device you want to control)

Your 5-in-1 remote control can be used to control most of your audio/video equipment through various modes:

- **STB** mode for the control of your Digital Receiver
- **TV** mode for the control of your TV set
- **VCR** mode for the control of your VCR
- **DVD** mode for the control of your DVD or DVD Recorder
- **AMP** mode for the control of your audio tuner/amplifier.



Press **SELECT** once to check which mode is active. To change the mode, press **SELECT** repeatedly until the desired mode is signalled by the corresponding indicator. The mode sequence is STB --> TV --> VCR --> DVD --> AMP.

15.2 Volume and mute control assignment

15.2.1 Default volume and mute control assignment

For each mode, you can select the device of your audio/video set-up to which volume and mute control is assigned.

When in **STB** mode, the volume functions (▲+, ▲-, and ✖ keys) can be controlled through your TV set, amplifier, or digital receiver. By default, volume control is performed through a Philips brand TV set.



When in **TV**, **VCR** or **DVD** mode, the volume functions (▲+, ▲-, and ✖ keys) can be controlled through your TV set or amplifier. By default, volume control is performed through a Philips brand TV set.

When in **AMP** mode, the volume functions (▲+, ▲-, and ✖ keys) can be controlled through a Philips brand amplifier only.

15.2.2 Changing the volume and mute control assignment

The procedures below assume you start from default settings.

Your Digital Receiver (STB), TV, VCR or DVD audio outputs are “all” connected to your amplifier

We advise you to assign volume control to your amplifier for all modes (STB, TV, VCR, and DVD). To do so:

- Press **SELECT** repeatedly to select the **AMP** mode.
- Simultaneously press keys 1 and 3 until the AMP indicator turns on then release these keys.
- Enter code 993. The indicator surrounding the ⏻ key blinks once after each entry.
- Press the ✖ key. The indicator surrounding the ⏻ key blinks twice.

From then on, whatever mode you are in, the AMP indicator turns on each time you press one of the (▲+, ▲-, and ✖ keys).

When controlling the volume, make sure the source selector of your amplifier is properly set (refer to your amplifier user manual for source selection).

Your TV set is only fitted with SCART connectors (no HDMI, no DVI and no YPbPr)

We advise you to assign volume control to your digital receiver for the STB mode. To do so:

- Press **SELECT** repeatedly to select the **STB** mode.
- Simultaneously press keys 1 and 3 until the STB indicator turns on then release the keys.
- Enter code 993. The indicator surrounding the ⏻ key blinks once after each digit entry.
- Press the ▲- key. The indicator surrounding the ⏻ key blinks twice.

You have made several setting changes and you want to restore the default volume control assignment settings (see table in next paragraph)

Default volume control assignment means:



in **TV** mode, volume control is performed through a Philips brand TV set

in **VCR** mode, volume control is performed through a Philips brand TV set

in **DVD** mode, volume control is performed through a Philips brand TV set

in **AMP** mode, volume control is performed through a Philips brand amplifier only.




To restore default settings:


- Simultaneously press keys 1 and 3 until the indicator surrounding the  key blinks twice then release these keys.
- Enter code 981. The indicator surrounding the  key blinks twice.

15.3 Changing the brand setting of your remote control for your TV, VCR, DVD or Amplifier

By default at first power up or at first installation, your universal remote control is pre-set to control your Digital Receiver as well as most Philips brand audio/video devices.

If you have other brands of devices, or if the presets do not enable you to control your Philips device, please follow the procedure below.

- 1 Choose one brand code, made up of 4 digits, from the code list at the end of this manual. (If several codes are possible, go through this procedure with the first code and try your remote control. If you are not successful, repeat the procedure with the second code, and so on).
- 2 Press the SELECT key repeatedly to choose the mode corresponding to the type of device you want to set up (TV, VCR, DVD or Amp/Tuner).
- 3 Simultaneously press digits 1 and 3 until the indicator surrounding the  key blinks twice then release these keys.
- 4 Enter the 4 digit code corresponding to the device brand you have chosen. The indicator surrounding the  key blinks once after each one of the first three entries. The indicator surrounding the  key blinks twice after the fourth entry.

If an invalid code has been entered, the indicator surrounding the  key blinks once only. Restart from step 1.

| | | Default setting | | | Your personal setting | | |
|------------------|------------|-----------------|------|----------------------------------|-----------------------|------|----------------------------------|
| | | Brand | Code | Volume control performed through | Brand | Code | Volume control performed through |
| M O D E | TV set | Philips | 0556 | TV | | | |
| | Video rec. | Philips | 0081 | TV | | | |
| | DVD | Philips | 0539 | TV | | | |
| | Amp. | Philips | 1742 | AMP | | | |
| | STB | STB 1 | | TV | STB (1 or 2) | | |

We advise you to fill in the table below to keep a record of your personal remote control settings. This will be helpful the day you have to replace the remote control batteries (see Note 1 below).

1 Battery change

If the battery change takes more than 1 minute the remote control may return to the Philips default settings. Therefore you have to proceed with a new setting of your remote control with the help of the table above for your non-Philips branded devices.

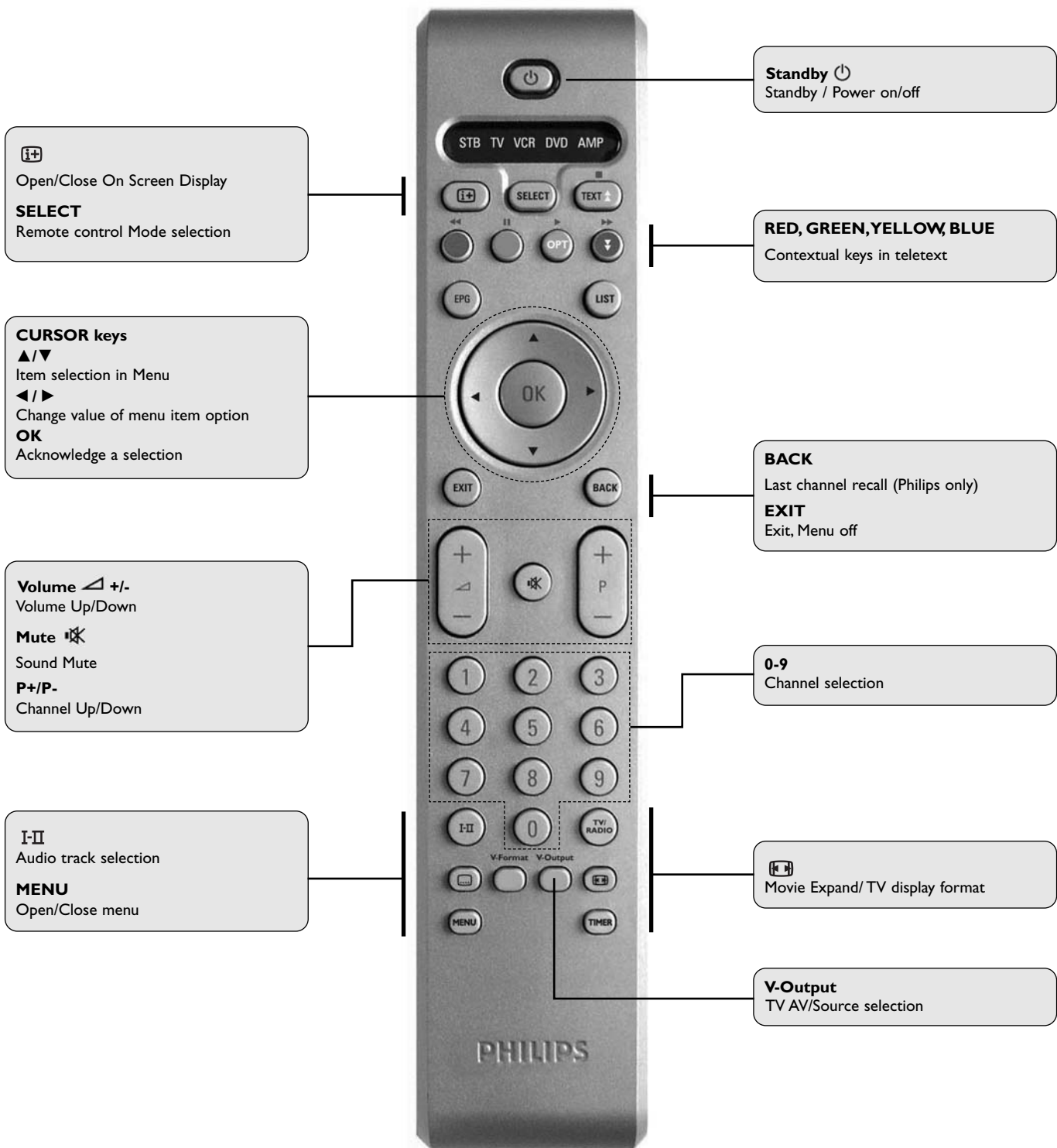
2 Disclaimer

All manufacturers are concerned about the constant improvement of their products. Although your remote control is compatible with most of the equipment of the following list, Philips cannot guarantee its operation with the complete range of products on the market.

15.4 Controlling your TV, Video Recorder, DVD and amplifier

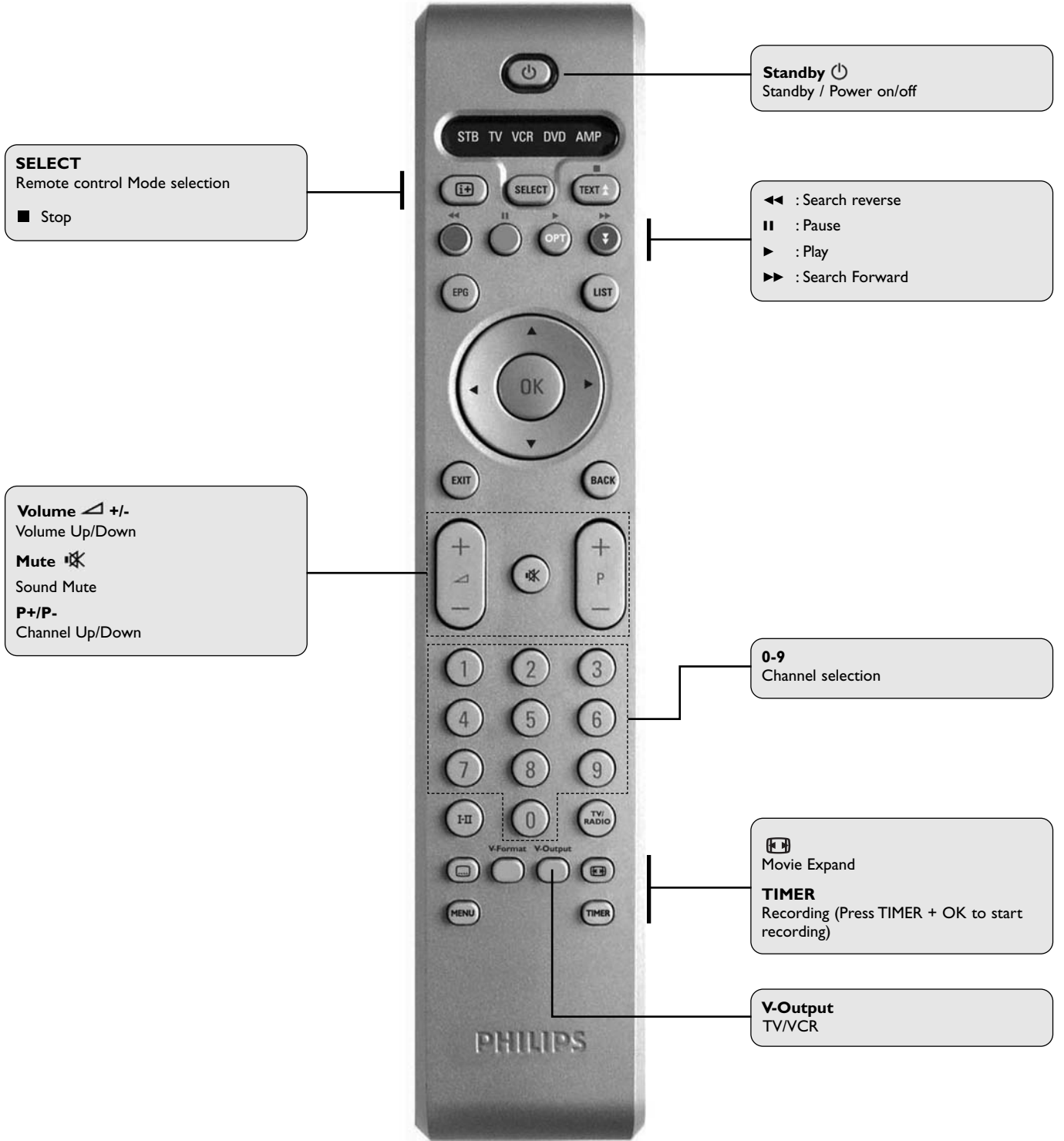
Some of the functions described in the next pages may not be available or have the same behaviour for all brands of the same devices.

15.4.1 Using the remote control when the TV mode is selected

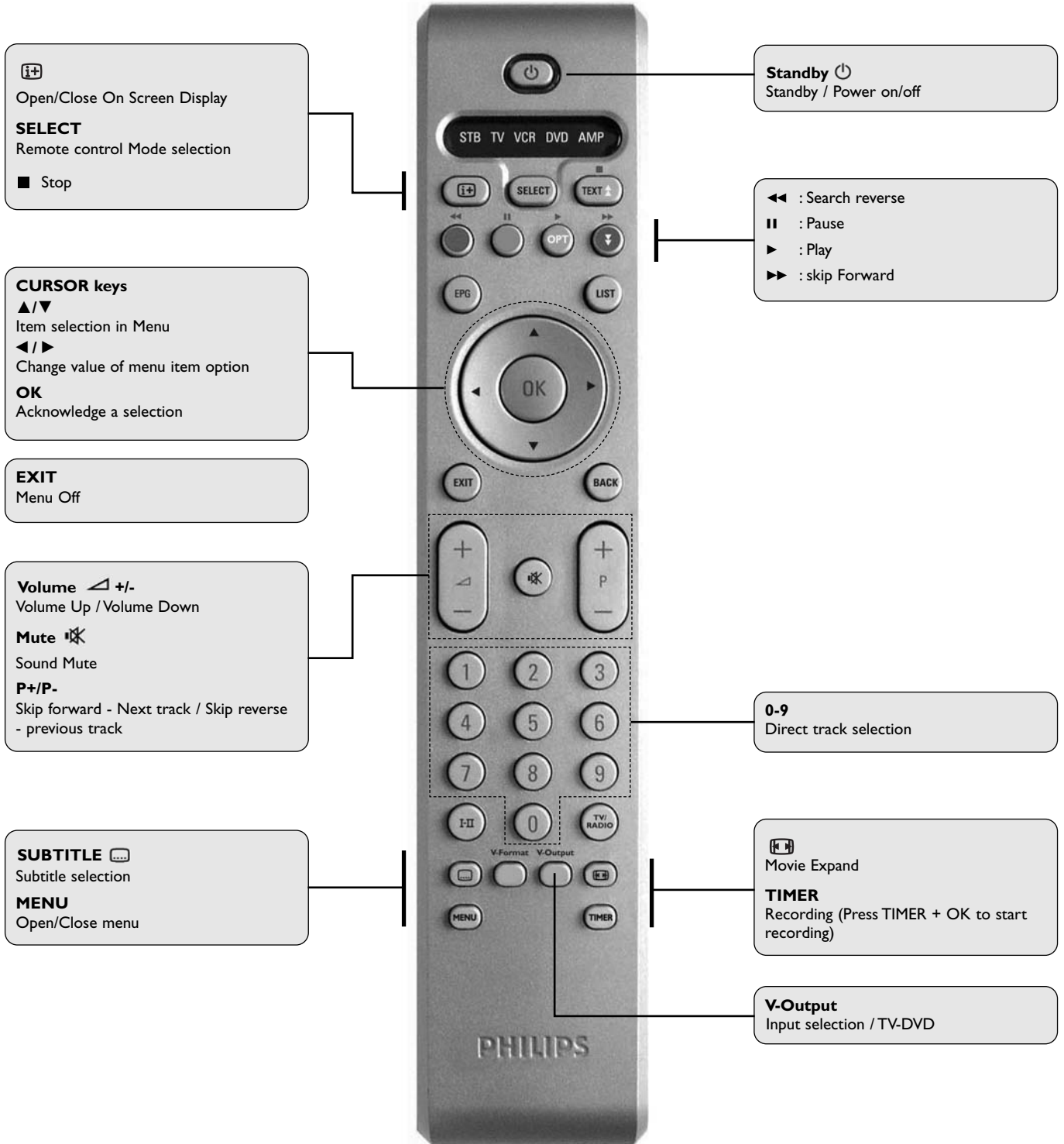


15.4.2 Using the remote control when the VCR mode is selected

EN

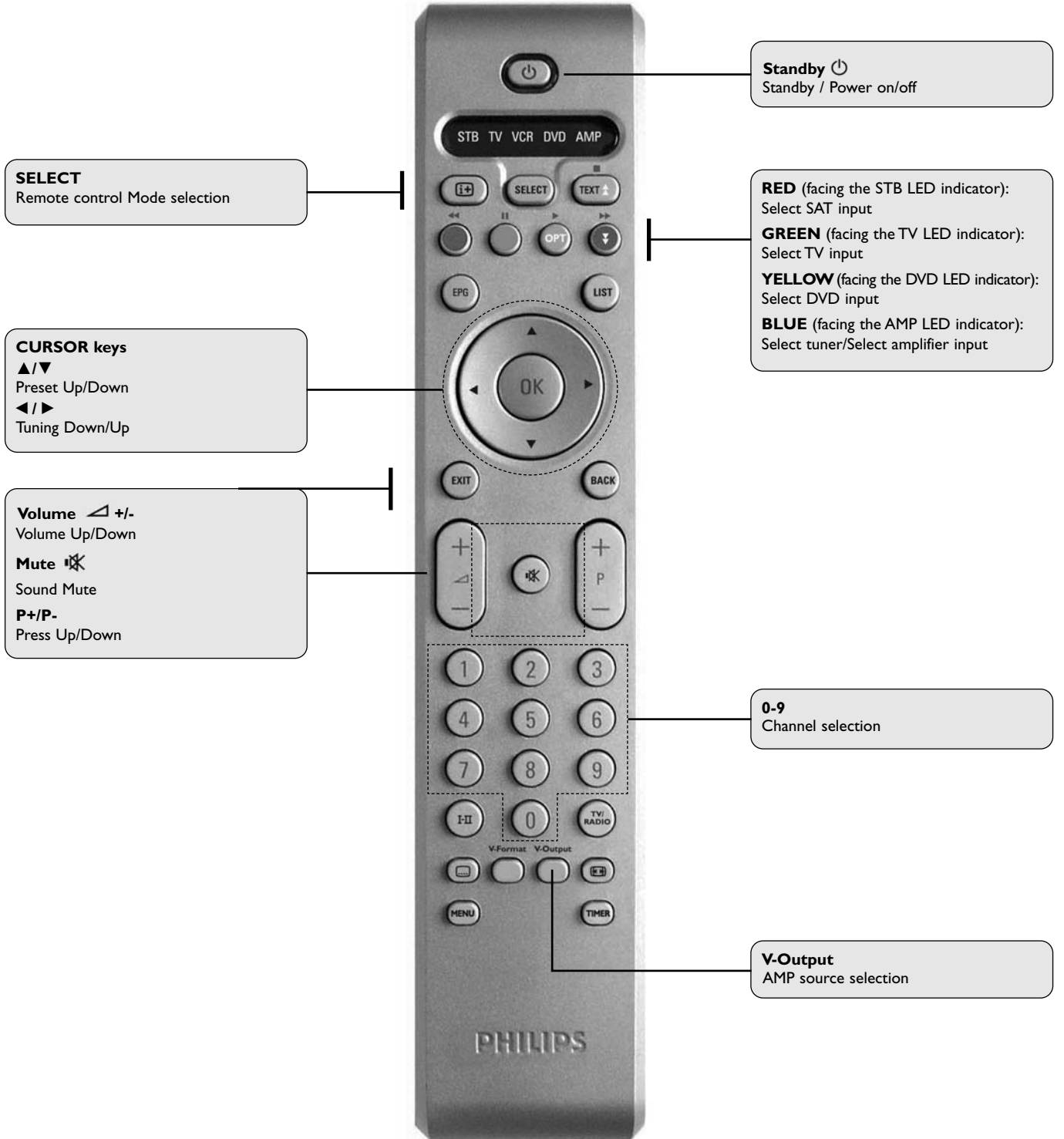


15.4.3 Using the remote control when the DVD mode is selected



15.4.4 Using the remote control when the AMP mode (tuner/amplifier) is selected

EN



16 Glossary

EN

Dolby Digital: Digital Audio Compressed (5.1 Channel)

DVI: Digital Video Interface

HD: High Definition

HDCP: High-bandwidth Digital-Content Protection

HDMI: High Definition Multimedia Interface

HDTV: High Definition TeleVision

HDTV label: indicates compliance of a receiver with the minimum requirements for HDTV

HD-Ready label: indicates compliance of a TV set with the minimum requirements for HDTV

Lip Synchronisation: setting is used to synchronize sound and pictures in case a delay is experienced, in particular if the sound of speech does not match lip movements.

OSD: On-Screen Display

Password: 4-digit code used to lock channels and features of the receiver

PIN-Code: 4-digit code used to prevent access to inappropriate Premiere programmes (parental control)

SD: Standard Definition

SDTV: Standard Definition TeleVision

SPDIF: Sony/Philips Digital audio InterFace

YPbPr: component video signal (Y for luminance, PbPr for colour)

SCART Loop-through: function allowing automatic signal by-pass for playback from a VCR or DVD player/recorder connected to SCART EXT2

17 Troubleshooting

Please be aware that new software may change the functionality of your receiver. Should you experience any difficulties with the operation of the receiver, please consult the relevant section of this manual, including this Troubleshooting section. If the problem cannot be solved, call your dealer or a customer service adviser.

| Symptom | Cause | Remedy |
|--|---|---|
| The LED on the front panel does not light up. | Faulty power supply | Check that the power cord with AC adapter is correctly connected. Disconnect this cord and reconnect it to ensure it is in place. Check that the power is available at the wall socket. |
| The welcome screen does not display at first installation. | Faulty connections Incorrect TV source selection The selected receiver output does not match the connection to your TV set. | Check connections at your TV set (HDMI, DVI or YPbPr connection, and SCART connection). Select the appropriate TV source (refer to your TV user manual). Press V-Output once to check the current receiver output setting. If it does not correspond to the actual connection to your TV set, press V-Output repeatedly until the setting and connection match. |
| No sound or picture but the front panel displays the time or  | Receiver in Standby | Press P+ , P- , TV/RADIO , or any number key once or twice to wake up the receiver. |
| No sound or picture but the front panel LED is lit in red. | Receiver in "low power" | Press P+ , P- , TV/RADIO , on the front panel. |
| No sound or picture but the front panel LED is lit in orange. | Receiver is in standby | Press P+ , P- , or any number key of the remote control. |
| No picture no sound but the front panel displays a channel number and name. | Poor signal The selected output does not match the connection to your TV set. Poor SCART connections | Check the connections at the wall socket and receiver. Check signal quality using the Scan item of the Premiere menu . Press V-Output once to check the current receiver output setting. If it does not correspond to the actual connection to your TV set, press V-Output repeatedly until the setting and connection match. Check the SCART connections. |
| The remote control does not operate your receiver. | You have changed your remote control batteries. | Make sure the receiver is on. Make sure you are pointing the remote control at the receiver front panel. Check the batteries in your remote control. Check that the receiver and remote control configurations match: refer to paragraph 14.2. Try setting your remote control again as described in paragraph 14.2. |
| The picture appears frozen and the remote control does not operate your receiver. | | Press  on the receiver front panel for at least 5 seconds. Your settings will not be lost. Release the button and wait for the LED to turn either red for "low power", orange for standby, or green for TV mode respectively. You can then continue with normal operation. |
| On-screen display working but there is no reception | | Check all connections and cables. |
| Intermittent reception | Poor reception/signal Faulty connections | Check all connections and cable. Check signal quality from the Scan item of the Premiere menu . |
| Sound not synchronized with pictures when using digital audio connection | You use digital audio connection option A or B as described in 7.1.3. | Change sound-pictures synchronisation (Lip Synchronisation) as described in 9.6. |

| Symptom | Cause | Remedy |
|--|--|---|
| The message "Note 3 - Insert the smart card in the direction of the arrow with the golden chip facing up/down" is displayed. | The smart card was inserted incorrectly. | Insert the smart card into the receiver as described in the user manual. |
| The message "Note 9 - Your smart card subscription is no longer active" is displayed. | Your subscription has not yet been re-activated. | If you are subscribing for the first time, contact the Premiere customer service so that your subscription can be activated. To do this, insert the smart card into the digital receiver. Select a channel to which you are subscribed and wait for around 60 minutes to obtain the activation. |
| | As the subscriber programme has not been watched for some time, your subscription could not be re-activated. | If you already subscribe to Premiere, insert the smart card into the digital receiver. Select a channel to which you are subscribed and wait for around 60 minutes to obtain the reactivation. |
| The message "Note 10 - Your smart card does not allow you to watch this programme" is displayed. | Your subscription has not yet been re-activated. | If you are subscribing for the first time, contact the Premiere customer service so that your subscription can be activated. To do this, insert the smart card into the digital receiver. Select a channel to which you are subscribed and wait for around 60 minutes to obtain the activation. |
| | You have not taken up a subscription to this channel. | Check that you have taken up a subscription to this channel. Otherwise, contact the Premiere hotline to subscribe to this channel. |
| The picture is not sharp and on-screen text is difficult to read when playing back a DVD or VCR recording. | TV SCART output format not set to RGB | Change the TV SCART Output setting to RGB from the System Settings screen. Refer to paragraph 13.5.2. |
| | TV SCART not connected to the RGB capable SCART socket of your TV set. | Refer to your TV user manual. |
| | Inappropriate SCART cable | Use the SCART cable supplied with your receiver. |
| The picture is not sharp when watching HDTV content. | You use digital audio connection option A or B as described in 7.1.3. | Press V-Output once to check the current receiver output setting. If it does not correspond to the actual connection to your TV set, press V-Output repeatedly until the setting and connection match. |
| The picture on some channels seems to have been stretched or squashed. | The broadcast is probably in wide screen and the receiver settings may not be correct. | Check the receiver TV screen format setting, following the information in paragraph 13.5.1. If you have a wide screen TV, you may also need to check the settings on your TV. |
| Even if you use the number keys, you cannot access a particular channel. | The parental lock has been activated on this channel and a message asks for your password. | Enter your password to access the channel or remove it as a locked channel. |
| | Your subscription rights do not include this channel | Select another channel. There is no channel corresponding to this number. |
| You set a timer but did not record what you wanted. | The recorder was set incorrectly. | Make sure that your recorder is set for the same time as your Digital-Receiver. |
| | The recorder was not programmed. | Make sure you have programmed your recorder. |
| The order of the channels has changed. | They have been re-arranged as described in paragraph 10.2.2. | Refer to this paragraph to change the order again. |
| You have forgotten your password | | From the main menu, press 5 to go to the For Parents screen. When prompted, enter the following 4-digit code: 1911. Then enter 1234 as your current password, and proceed as described in paragraph 13.4. |
| You have forgotten your KDG or Premiere PIN-Code. | | Either call the Premiere call center: 0180/512 00 00 for Germany 01/49166 400 for Austria |

For problems that are not related to Premiere programmes or the Premiere smart card, but rather due to your receiver, call the Philips call centre on 0180/500 75 31* for Germany or 0820 400 039* for Austria.

*open 7 days from 08.00 to 23.00 - 0.12 Euros/min

18 Technical specifications

This product is in conformity with the requirements of the 95/47/EC and 2002/21/EC directives.

General

High Definition provides the ultimate viewing experience and will roll out across Europe. The KDG cable network is using the efficient MPEG4 (part 10) compression technology for the distribution, on cable network, of HDTV programs that may include Premiere Pay TV programs.

Decoding

- MPEG-2
- DVB compliant up to MP@HL
- MPEG-4 part 10 (1920x1080 interlaced)
- DVB compliant up to HP@L4
- Video bit rate: up to 80 Mbit /sec
- Video format: 4:3 and 16:9
- Output resolution up to 1920x1080 interlaced

Copy protection

- HDCP on HDMI interface
- Macrovision on Scart's

Audio decoding

- MPEG1 layer I / II
- Dolby Digital
- Prepared for Dolby Digital Plus
- Multi-channel down-mixing

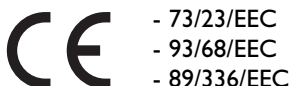
Ease of Installation

- Automatic program installation
- Automatic program list update
- Program bouquet auto installation including Premiere (network dependant)
- Up to 1000 channels

Ease of Use

- 13 digit display
- Easy bouquet program browsing
- Program editing for personalised installation (delete, add, move) for 99 programs in Main TV list
- 99 programs in Main Radio list
- Full remote controlled
- EPG list per channel
- Automatic recording via:
 - Timer programming in EPG
 - And "Easy recording" for Philips VCR and DVD- RW with:
 - Either "Prepare Record"
 - Or "Record link"
- Now & Next program monitoring
- 5 in 1 multi-brand remote control

The product complies with the following European Directives:



Operation / Features

- Reception of High definition and standard definition digital Pay-TV programs
- TV & Radio modes
- Premiere Pay TV reception
- Subtitles
- Integrated Teletext decoder
- Parental lock with PIN code
- Menu controlled installation and operation using On Screen Display
- 8 event Timers / Reminders
- Automatic VCR play back
- EXT 2 to EXT 1TV RGB by-pass
- Software upgrade via:
 - Cable network
 - Serial interface (servicing only)
- ECO mode < 1 Watt power consumption
- HDMI video & audio digital output
- DVI compatible HDMI output for video
- YPbPr component HDTV video output
- Dolby Digital audio output

Application system resources

| | |
|---------------------------------|---------|
| Processor | 266 MHz |
| SDRAM for System | 64 MB |
| SDRAM for Audio/Video/ Graphics | 64 MB |
| Flash - Data/Code | 16 MB |
| EEPROM | 32 kB |

Reception-Demodulation

- Demodulation type: QAM
- Constellation: 16, 32, 64, 128, 256
- Symbol rate range (MS/s) 3 to 6.9
- Input frequency range (MHz): 47 - 862
- Input level range (dBμV):
 - 44 to 75 in 64 QAM
 - 51 to 75 in 256 QAM
- Return loss (dB) =10
- Noise figure (dB) = 9.5
- RF loop-through (MHz) 47 to 862 MHz

De-scrambling

- Embedded
- Type: DVB compliant
- Smart card reader: 1 for CA
- CA system: Nagravision
- Note: A subscription is required to watch Pay-TV programmes.

Connections

- 1x RF in type IEC 169-2 female
- 1x RF out type IEC 169-2 male
- 1 x HDMI version 1.1
- 1 x YpbPr according to SMPTE / ARIB-BS4
- 1 x EXT1 SCART (TV)
 - Output : CVBS , volume controlled audio L/R, RGB/FB , Slow blanking
- 1 x EXT2 SCART (VCR-DVD-recorder)
 - Input: CVBS, Slow blanking, Audio L/R, RGB / Fast blanking
 - Output: CVBS, Audio L/R, Slow blanking during timer if "Prepare Record" mode is activated
- 2 x Audio CINCH:
 - Output: volume controlled analogue audio L/R
 - Coaxial SPDIF: Dolby Digital or PCM
 - Optical SPDIF: Dolby Digital or PCM
- Other digital interfaces:
 - Serial USB 1.1

Accessories

- Remote control type RC4338
- 1x HDMI cable (2m)
- 1 x SCART lead
- User manual
- Quick start guide
- Worldwide Guarantee booklet
- Batteries: 2 x 1.5V type AA/R06
- Mains cord (2 m)

Miscellaneous


- Temperature range (°C)
 - Operating +5 to 45
 - Storage -10 to +70
- Mains: 230 V ~ +/-10%
 - 50 Hz
- Power consumption: 15W
- Standby consumption: 14,5W
- Weight 2.7 Kg
- Including packaging tbd Kg tbc
- Dimensions:
 - Product (mm) 360 x 220 x 55
 - Packaging (mm) 495 x 290 x 120

Multi-language

- Menu
 - English, German
- User Manual
 - English, German

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

Due to continued product improvements, this information is subject to change without notice.

Dolby® and the double D symbol  are registered trademarks of Dolby Laboratories Licensing Corporation.

Dolby Digital® is registered trademark of Dolby Laboratories Licensing Corporation.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Code List für verschieden Marken/Brand code list

Setup-Code für alle Verstärkermodelle (A) Setup Code For All Audio Amplifiers (A)

| | |
|---------------------|------------|
| Bush | 1301 |
| Goodmans | 1301, 1617 |
| Lexia | 1301 |
| Limit | 1408 |
| MaXmann Electronics | 1357 |
| Minowa | 1156 |
| Mustek | 1617 |
| Optimus | 0327 |
| Pioneer | 0327 |
| RCA | 0327 |
| Red Star | 1408 |
| Redstar | 1408 |
| Reoc | 1408 |
| Roadstar | 1301 |
| Schneider | 1156 |
| Sony | 0716 |
| Synn | 1408 |
| TCM | 1156 |
| Tevion | 1156 |
| Thomson | 1156 |
| Yamaha | 0381 |

Setup-Code für alle Audio Verst./Tuner-Modelle (R) Setup Code For All Audio Amp/Tuners (R)

| | |
|-----------------|------------------------|
| AEG | 1417 |
| Aiwa | 0148, 1432, 1668, 1415 |
| Akai | 0142, 0636, 1417 |
| All-Tel | 1417 |
| Amstrad | 0771 |
| Anam | 0636 |
| Apex Digital | 1284 |
| Audiosonic | 1416 |
| Bang&Olufsen | 0826 |
| Basic Line | 1581 |
| Belson | 1416 |
| Binatone | 1416 |
| Bose | 1382 |
| Bush | 0824 |
| Cambridge Audio | 1674 |
| Carver | 0387 |
| CCE | 1379 |
| Centrex | 1284 |
| Centrum | 1247 |
| Clatronic | 0824 |
| Cosmotron | 0824 |
| Daewoo | 1205, 1277, 1463 |
| Dantax | 0490, 1417 |
| Denon | 1131, 1387, 1487 |
| Denver | 1416 |
| Digitrex | 1284 |
| DiK | 0824 |
| DK Digital | 1447 |
| DMTech | 1666 |
| Dual | 1247, 1417, 1447, 1666 |
| eBench | 0771, 0824 |
| Elta | 0771, 0824, 1417 |
| Eltax | 1567 |
| Ferguson | 1181 |
| Fisher | 0387 |
| Futronic | 1351 |

| | |
|--------------------|--|
| Garrard | 0490 |
| Goodmans | 0636, 0771, 0774, 0824, 1205, 1226, 1417, 1447, 1638 |
| Grundig | 0824, 1371, 1666 |
| Grunkel | 0771 |
| Hanseatic | 1417 |
| Harman/Kardon | 1331, 1337 |
| Harwood | 0771 |
| HCM | 1417 |
| Hitachi | 1226, 1371, 1581, 1828 |
| Hitech | 0771 |
| Hoeher | 1284 |
| Inkel | 0529 |
| Integra | 1347 |
| Intersound | 0771 |
| JBL | 1317 |
| Jensen | 0781 |
| JVC | 0101, 0491, 1227, 1401, 1522 |
| Kenwood | 0213, 1054, 1340, 1596, 1597 |
| Kompernass | 0824 |
| Lenoxx | 1638 |
| Lenoxx Sound | 1638 |
| LG | 1320, 1551 |
| Lifetec | 0824 |
| LXI | 0771 |
| Magnat | 1416, 1666 |
| Magnum | 1638 |
| Marantz | 1296, 1316 |
| Matsui | 0771, 0774, 0824 |
| MBO | 1379 |
| Medion | 0824, 1447 |
| MEI | 1417 |
| Micromaxx | 1447 |
| Microstar | 0824 |
| Mustek | 1379 |
| Mx Onda | 0771, 0824 |
| NAD | 0347, 0636 |
| Nikkai | 1416 |
| Nikkei | 0771 |
| Onkyo | 1325, 1347, 1558 |
| Optimus | 0213, 0771, 0781, 1050 |
| Orion | 0490 |
| Palladium | 0824, 1247, 1320, 1371, 1417, 1452 |
| Panasonic | 1315, 1335, 1545, 1790 |
| Paramount Pictures | 1247 |
| Philips | 1296, 1316, 1742 |
| Phonotrend | 0529 |
| Pioneer | 0213, 0316, 1050, 1211, 1311, 1486, 1683 |
| Prima Electronic | 0824 |
| Proline | 0824, 1284, 1417 |
| Quelle | 1205 |
| Radionette | 1320 |
| RCA | 1181 |
| Recco | 0824 |
| Red Star | 1416 |
| Roadstar | 0774, 0824, 1638 |
| Rotel | 0820 |
| Samsung | 1226, 1308, 1322, 1451 |
| Sansui | 0636, 1356 |
| Sanyo | 0387, 0771, 1828 |
| Schneider | 0771, 1205, 1226, 1247, 1417 |
| SEG | 1277, 1581 |
| Sharp | 0213, 1641 |
| Sherman | 1351 |
| Sherwood | 0529, 0680 |

| | |
|-----------------|--|
| Siemens | 0636 |
| Silva Schneider | 1417, 1551 |
| Sony | 1185, 1285, 1468, 1481, 1585, 1685, 1785, 1786, 1885 |
| Soundwave | 0636 |
| Stereophonics | 1050 |
| Sumida | 0771 |
| Sunfire | 1340 |
| Tandberg | 1581 |
| Tangent | 1567 |
| TCM | 0824 |
| Teac | 0490, 0636, 0680, 1298, 1306, 1417, 1506, 1555, 1253, 1490 |
| Technics | 0235, 1335, 1336, 1545, 1790 |
| Tevion | 1416, 1452, 1638 |
| Thomson | 1181, 1381 |
| Thorn | 0771 |
| Tokai | 1417 |
| Toshiba | 1599 |
| United | 1417 |
| Universum | 0636, 0771, 0781, 0824, 1205, 1247, 1417, 1452, 1463, 1636 |
| Venturer | 1417 |
| Vestel | 1581 |
| Victor | 0101 |
| Waitec | 1379 |
| Watson | 0824 |
| Welltech | 0824 |
| Wharfedale | 1417 |
| Xenius | 1417 |
| Yamaha | 0203, 0213, 0739, 1303, 1358 |
| Yukai | 1379 |
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| Acura | 0036 |
| Admiral | 0114, 0120, 0190, 0291, 0390 |
| Adyson | 0243, 0244 |
| Agashi | 0243, 0244 |
| AGB | 0543 |
| Agef | 0114 |
| Aiko | 0036, 0243, 0244, 0291 |
| Aiwa | 0728, 0732, 1943 |
| Akai | 0036, 0062, 0099, 0190, 0205, 0235, 0243, 0244, 0245, 0291, 0388, 0398, 0460, 0500, 0507, 0543, 0575, 0583, 0608, 0629, 0633, 0658, 0675, 0741, 0742, 0772, 1564 |
| Akiba | 0245, 0309, 0482 |
| Akura | 0036, 0245, 0291, 0309, 0439, 0695, 0741, 1064 |
| Alaron | 0243 |
| Alba | 0036, 0063, 0190, 0243, 0245, 0262, 0274, 0382, 0398, 0445, 0470, 0514, 0608, 0695, 0741, 1064 |
| All-Tel | 0892 |
| Allorgan | 0233, 0244 |
| Amplivision | 0244, 0397 |
| Amstrad | 0036, 0204, 0245, 0291, 0389, 0398, 0439, 0460, 0543, 0608, 0675, 1064 |
| Anam | 0036 |
| Andersson | 1190 |
| Anex | 0448 |
| Anglo | 0036, 0291 |
| Anitech | 0036, 0309 |
| Ansonic | 0036, 0131, 0319, 0397, 0695, 1464 |
| Arcam | 0243, 0244 |
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| ASA | 0097, 0114, 0131 |

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| Asora | 0036 |
| Asuka | 0244, 0245, 0291 |
| Atlantic | 0233, 0347 |
| Audiosonic | 0036, 0136, 0244, 0245, 0291, 0364, 0397, 0401, 0513, 0741, 0742 |
| Audioton | 0244, 0291, 0513 |
| Audiovox | 0478 |
| Autovox | 0114, 0233, 0244, 0274, 0571 |
| Awa | 0036, 0038, 0063, 0135, 0184, 0244, 0633 |
| Axxent | 0036 |
| Baird | 0099, 0100, 0220, 0235, 0244 |
| Bang & Olufsen | 0114, 0592 |
| Barco | 0407 |
| Basic Line | 0036, 0244, 0245, 0309, 0366, 0401, 0482, 0583, 0695, 1064, 1190 |
| Baur | 0388, 0539, 0562, 0571 |
| Bazin | 0244 |
| Beaumark | 0205 |
| Beko | 0397, 0445, 0513, 0633, 0741, 0742, 0835, 1064 |
| Beon | 0445 |
| Berthen | 0695 |
| Best | 0364, 0448 |
| Bestar | 0397, 0401 |
| Bestar-Daewoo | 0401 |
| Binatone | 0244 |
| Black Diamond | 0641, 1064, 1936 |
| Black Panther | 0129 |
| Blaupunkt | 0063, 0197, 0222, 0482, 0562 |
| Blue Sky | 0245, 0309, 0482, 0514, 0526, 0583, 0695, 0741, 0742, 0835, 1064 |
| Blue Star | 0309 |
| Bondstec | 0274 |
| Boots | 0036, 0244 |
| Bosch | 0347 |
| BPL | 0309 |
| Brandt | 0136, 0314, 0362, 0587, 0652, 0741 |
| Brinkmann | 0445, 0513, 0695 |
| Brionvega | 0114, 0389 |
| Britannia | 0243, 0244 |
| Bruns | 0114 |
| BTC | 0245 |
| Bush | 0036, 0063, 0235, 0244, 0245, 0262, 0291, 0309, 0382, 0388, 0390, 0398, 0401, 0514, 0583, 0608, 0641, 0644, 0688, 0695, 0741, 1064, 1927 |
| Canton | 0245 |
| Carad | 0637, 0695, 1064 |
| Carena | 0482 |
| Carrefour | 0063, 0097 |
| Carver | 0197 |
| Cascade | 0036 |
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| Century | 0114, 0265, 0274 |
| CGE | 0274, 0397, 0445 |
| Cimline | 0036, 0245 |
| Cineral | 0478 |
| Citizen | 0087 |
| City | 0036 |
| Clarivox | 0097, 0364 |
| Clatronic | 0036, 0129, 0244, 0245, 0274, 0291, 0347, 0397, 0398, 0606, 0633, 0741 |
| Clayton | 1064 |
| CMS | 0243 |
| CMS Hightec | 0244 |
| Condor | 0036, 0274, 0291, 0309, 0347, 0397, 0438, 0445 |
| Conrac | 0835 |
| Contec | 0036, 0063, 0184, 0243 |
| Continental Edison | 0136, 0314, 0514 |
| Cosmel | 0364 |
| Crosley | 0114, 0274 |
| Crown | 0036, 0235, 0366, 0397, 0439, 0445, 0448, 0513, 0514, 0606, 0633, 0741, 0742, 1064 |

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| CS Electronics | 0243, 0245, 0274 | Forgestone | 0220 |
| CTC | 0274 | Formenti | 0114, 0243, 0347 |
| Curtis Mathes | 0087 | Formenti-Phoenix | 0243, 0347 |
| Cybertron | 0245 | Fortress | 0120 |
| D-Vision | 0583 | Fraba | 0397 |
| Daewoo | 0036, 0244, 0245, 0401, 0478, 0526, 0583, 0661, 0688, 0892, 0907, 1936 | Friac | 0036, 0129, 0397, 0448, 0526, 0637 |
| Dainichi | 0243, 0245 | Frontech | 0036, 0190, 0244, 0274, 0291, 0390 |
| Dansai | 0036, 0062, 0063, 0235, 0243 | Fujimaro | 0892 |
| Dansette | 0439 | Fujitsu | 0036, 0099, 0233, 0244, 0286, 0710, 0880 |
| Dantax | 0741, 0742 | Fujitsu General | 0036, 0233, 0244, 0710 |
| Dayton | 0036 | Funai | 0291, 0695 |
| Daytron | 0401 | Galaxis | 0397 |
| De Graaf | 0235, 0390, 0575 | Gateway | 1782 |
| Decca | 0099, 0244, 0543, 0648 | GBC | 0036, 0245, 0401 |
| Dell | 1481 | GE | 0120, 0205, 0309, 0478, 0652, 1481 |
| Denko | 0291 | GEC | 0099, 0190, 0244, 0388, 0543 |
| Denver | 0614 | Geloso | 0036, 0390, 0401 |
| DER | 0220 | General Technic | 0036 |
| Desmet | 0036, 0114, 0347 | Genesis | 0036 |
| Digiline | 0132, 0695 | Genexxa | 0036, 0190, 0245 |
| Digitor | 1751 | Gericom | 0835, 0892, 0907 |
| Digix | 0907 | Goldfunk | 0695 |
| Dixi | 0036, 0114 | GoldHand | 0243 |
| Domeos | 0695 | GoldStar | 0136, 0190, 0205, 0243, 0244, 0274, 0317, 0388, 0390, 0404, 0633, 0741, 0742 |
| Domland | 0421 | Gooding | 0514 |
| Dream Vision | 1731 | Goodmans | 0036, 0062, 0063, 0099, 0244, 0245, 0262, 0291, 0362, 0398, 0401, 0507, 0514, 0526, 0543, 0583, 0587, 0606, 0657, 0661, 0688, 0695, 0741, 0835, 0907, 1064, 1190, 1927, 1936 |
| Dual | 0244, 0286, 0379, 0421, 0558, 0571, 1164 | Gorenje | 0397, 0448 |
| Dual Tec | 0244 | GPM | 0245 |
| Dumont | 0097, 0114, 0129 | Gradiente | 0197 |
| Durabrand | 1464 | Graetz | 0190, 0366, 0388, 0398, 0514, 0741 |
| Dynatron | 0039 | Gran Prix | 0675 |
| E-Elite | 0245 | Granada | 0072, 0099, 0135, 0190, 0235, 0244, 0253, 0366, 0383, 0390, 0500, 0543, 0575, 0587 |
| Edison-Minerva | 0514 | Grandin | 0036, 0190, 0309, 0347, 0401, 0482, 0606, 0637, 0695, 0741, 0742, 0892, 0907, 1064 |
| Elbe | 0244, 0265, 0286, 0319, 0389, 0438, 0462, 0543, 0637, 0657 | Grundig | 0063, 0097, 0222, 0470, 0514, 0562, 0583, 0614, 0657, 0733 |
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| Electrograph | 1782 | Halifax | 0244 |
| Elekta | 0291, 0309 | Hampton | 0243, 0244 |
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| Elite | 0245, 0347 | Hanseatic | 0036, 0114, 0244, 0309, 0347, 0388, 0404, 0421, 0526, 0571, 0583, 0661, 0688, 0741, 0835 |
| Elman | 0129 | Hantarex | 0036, 0129, 0265, 0543, 0892 |
| Elta | 0036, 0291 | Harsper | 0892 |
| Emco | 0274 | Harwood | 0036, 0439, 0514 |
| Emerson | 0097, 0114, 0204, 0205, 0274, 0309, 0347, 0388, 0397, 0398, 0513, 0741, 1936 | Havermy | 0120 |
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| Erres | 0039 | Hema | 0036, 0244 |
| ESA | 0839 | Hemmermann | 0571 |
| ESC | 0244 | Higashi | 0243 |
| Etron | 0036 | Hikona | 0245 |
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| Euroman | 0243, 0244, 0291, 0448 | Hisawa | 0245, 0309, 0482, 0637, 0741 |
| Europhon | 0129, 0244, 0543 | Hisense | 0535, 0583 |
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| Ferguson | 0100, 0136, 0220, 0222, 0265, 0314, 0362, 0470, 0575, 0587, 0652, 1064 | HMV | 0114 |
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| Filsai | 0244 | Home Electronics | 0633 |
| Finlandia | 0099, 0190, 0235, 0373, 0390, 0575 | Hornophon | 0039 |
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| Flint | 0099, 0245, 0291, 0482, 0637 | | |

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| Sontec | 0036, 0397 |
| Sony | 0038, 0063, 0120, 0129, 0184, 0197, 0380, 0861, 1532, 1678 |
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| Stern | 0190, 0233, 0286, 0390, 0438 |
| Strato | 0036, 0291 |
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| TCL | 1564 |
| TCM | 0741, 0835 |
| Teac | 0036, 0197, 0205, 0291, 0482, 0539, 0695, 0782, 1751 |
| Tec | 0036, 0244, 0274, 0286, 0364 |
| Tech Line | 0695, 1464 |
| Technema | 0347 |
| Technics | 0583, 0677 |
| TechniSat | 0583, 0682 |
| Technisson | 0741 |
| Technosonic | 0583 |
| Techwood | 1190 |
| Tecnimagen | 0583 |
| Tedelex | 0036, 0244, 1564 |
| Telecor | 0421 |
| Telefunken | 0100, 0136, 0314, 0362, 0373, 0513, 0525, 0587, 0652, 0741 |
| Telemeister | 0347 |
| Telestar | 0583, 0606 |
| Teletech | 0036, 0364, 0695, 1064 |
| Teleton | 0063, 0233, 0244, 0286, 0390 |
| Televideon | 0243, 0347 |
| Tempest | 0036 |
| Tensai | 0036, 0131, 0132, 0244, 0245, 0274, 0347, 0398, 0401, 0404, 0742, 1064 |
| Tenson | 0036, 0347 |
| Tevion | 0583, 0675, 0695, 0741, 0835, 1064, 1164 |
| Textet | 0036, 0243, 0244, 0245, 0401 |
| Thomson | 0136, 0314, 0362, 0587, 0652 |
| Thorn | 0062, 0063, 0099, 0100, 0131, 0136, 0220, 0265, 0362, 0388, 0526, 0539, 0562 |
| Thorn-Ferguson | 0100, 0220, 0265, 0526 |
| TMK | 0205 |
| Tokai | 0036, 0190, 0364, 0401, 0695, 1064 |
| Tokaido | 1064 |

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|---|--|
| Tokyo | 0062 |
| Tomashi | 0245, 0309 |
| Toshiba | 0062, 0063, 0087, 0097, 0129, 0136, 0222, 0535, 0645, 0677, 0741, 0745, 1190, 1535 |
| Towada | 0244 |
| Trans Continens | 0244, 0695, 1064 |
| TRANS-continents | 0648, 0892 |
| Transonic | 0036 |
| Trical | 0184 |
| Trident | 0543 |
| Tristar | 0220, 0245 |
| Triumph | 0204, 0373, 0543, 0583 |
| Tsoschi | 0309 |
| TVTEXT 95 | 0583 |
| Uher | 0233, 0347, 0401, 0445, 0507, 0513 |
| Ultravox | 0114, 0129, 0243, 0274 |
| Unic Line | 0482 |
| United | 0741, 0742, 1064, 1943 |
| Universum | 0036, 0038, 0063, 0097, 0131, 0132, 0184, 0197, 0204, 0244, 0274, 0291, 0317, 0373, 0388, 0389, 0397, 0438, 0445, 0448, 0500, 0507, 0519, 0539, 0562, 0571, 0645, 0658, 0695, 1064, 1190, 1464 |
| Univox | 0114, 0190, 0364 |
| V2max | 0892 |
| V7 Videoseven | 1782 |
| V7Videoseven | 0907 |
| Vestel | 0244, 0583, 0695, 1064, 1190 |
| Videocoin | 0535 |
| Videologic | 0243, 0245 |
| Videologique | 0245 |
| Videosat | 0274 |
| Videotechnic | 0244, 0347 |
| Videoton | 0383 |
| Vidtech | 0205 |
| Viewsonic | 1782, 0751 |
| Vision | 0244, 0347 |
| Vistar | 0233 |
| Voxson | 0114, 0190, 0390, 0445 |
| Waltham | 0136, 0190, 0244, 0383, 0445, 0470, 0695, 1064 |
| Wards | 0087, 0193, 0205 |
| Watson | 0036, 0245, 0347, 0421, 0606, 0695, 1064, 1464 |
| Watt Radio | 0129, 0243, 0571 |
| Wega | 0063, 0114 |
| Welltech | 0741 |
| Weltblick | 0244, 0347 |
| Westinghouse | 0917 |
| Wharfedale | 0583 |
| White Westinghouse | 0243, 0347, 0364 |
| Windsor | 1064 |
| Windstar | 0309, 0364 |
| Windy Sam | 0583 |
| World-of-Vision | 0892, 0907, 0917 |
| Xenius | 0661, 0688 |
| Yamaha | 0677, 1603 |
| Yamishi | 0244, 0309, 0482 |
| Yoko | 0036, 0243, 0244, 0245, 0274, 0291, 0366, 0448 |
| Zanela | 0265 |
| Zanussi | 0233, 0291, 0390 |
| Zenor | 0366 |
| Setup-Code für alle Videorecordermodelle (V) | |
| Setup Code For All VCRs (V) | |
| Accent | 0099 |
| Adyson | 0099 |
| Aiwa | 0027, 0059, 0064, 0334, 0375, 0379, 0769, 1164 |
| Akai | 0047, 0068, 0133, 0267, 0342, 0375, 0379, 0669 |
| Akiba | 0099 |
| Akura | 0099 |
| Alba | 0027, 0047, 0099, 0108, 0305, 0342, 0375, 0379 |
| Allstar | 0108 |
| Ambassador | 0047 |
| Amstrad | 0027, 0099, 0305 |

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| Anam | 0064, 0253, 0267 |
| Anam National | 0253 |
| Anitech | 0099 |
| Ansonic | 0027 |
| Aristona | 0108, 0173 |
| ASA | 0064, 0108 |
| Asuka | 0064, 0065 |
| Audiosonic | 0305 |
| Audioton | 0047 |
| Audiovox | 0808 |
| AVP | 0027, 0379 |
| Awa | 0070 |
| Baird | 0027, 0068, 0131, 0133 |
| Bang&Olufsen | 0526 |
| Basic Line | 0047, 0099, 0131, 0305 |
| Beko | 0131 |
| Bell&Howell | 0131 |
| Bestar | 0305 |
| Black Diamond | 0669 |
| Black Panther | 0305 |
| Blaupunkt | 0061, 0108, 0253 |
| Blue Sky | 0064, 0099, 0305, 0375, 0379, 0507, 0669, 1164 |
| Bondstec | 0047, 0099 |
| Brandt | 0068, 0347, 0348 |
| Brandt Electronique | 0068 |
| Brinkmann | 0375 |
| Bush | 0027, 0099, 0108, 0305, 0342, 0375, 0379, 0669, 0769 |
| Carrefour | 0072 |
| Carver | 0108 |
| Casio | 0027 |
| Cathay | 0305 |
| Catron | 0047 |
| CGE | 0027 |
| Cimline | 0099 |
| Citizen | 0064, 0305 |
| Clatronic | 0027, 0047, 0099 |
| Colt | 0099 |
| Combitech | 0379 |
| Condor | 0047, 0305 |
| Craig | 0064, 0074, 0099, 0267 |
| Crown | 0047, 0064, 0099, 0305, 0507 |
| Cyrus | 0108 |
| Daewoo | 0047, 0072, 0305, 0379, 0664, 0669, 0871 |
| Dansai | 0099, 0305 |
| Dantax | 0379 |
| Daytron | 0047 |
| De Graaf | 0069, 0075, 0108, 0131, 0193 |
| Decca | 0027, 0094, 0108, 0379 |
| Deitron | 0305 |
| Denko | 0099 |
| Denon | 0069 |
| Diamant | 0064 |
| Dual | 0027, 0068, 0108, 0305, 0375 |
| Dumont | 0027, 0108, 0131 |
| Elbe | 0065, 0305 |
| Elcotech | 0099 |
| Elin | 0267 |
| Elsay | 0099 |
| Elta | 0099, 0305 |
| Emerson | 0027, 0064, 0070, 0072, 0099, 0305, 0620, 0664 |
| ESC | 0047, 0267, 0305 |
| Europhon | 0047 |
| Fast | 0924 |
| Fenner | 0047 |
| Ferguson | 0027, 0068, 0305, 0347, 0348 |
| Fidelity | 0027, 0099, 0267, 0379, 0459 |
| Finlandia | 0027, 0064, 0069, 0070, 0075, 0108, 0131, 0133, 0193, 0253, 0411 |
| Finlux | 0027, 0069, 0108, 0131 |
| Firstline | 0064, 0070, 0072, 0099, 0305, 0375, 0507, 1164 |
| Fisher | 0047, 0074, 0131 |

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| Flint | 0375 |
| Frontech | 0047, 0099 |
| Funai | 0027, 0620 |
| Galaxis | 0305 |
| Garrard | 0027 |
| GE | 0075, 0267, 0347 |
| GEC | 0108 |
| General | 0047 |
| General Technic | 0375 |
| Genexxa | 0131 |
| Go Video | 0459, 0647, 1164 |
| GoldHand | 0099 |
| GoldStar | 0064, 0507, 1164 |
| Goodmans | 0027, 0047, 0064, 0099, 0108, 0305, 0375, 0379, 0664, 0669, 0769 |
| GPX | 0064 |
| Gradiente | 0027 |
| Graetz | 0068, 0131, 0267 |
| Granada | 0027, 0064, 0069, 0075, 0108, 0131, 0253, 0267 |
| Grandin | 0027, 0064, 0099, 0305, 0769 |
| Grundig | 0061, 0099, 0108, 0253, 0347, 0374, 0375, 0376, 0379, 0769 |
| Hanimex | 0379 |
| Hanseatic | 0064, 0065, 0108 |
| Hantor | 0047 |
| Harley Davidson | 0027 |
| Harman/Kardon | 0065 |
| Harwood | 0099 |
| HCM | 0099 |
| Hinari | 0068, 0099, 0267, 0305, 0379 |
| Hisawa | 0379 |
| Hischito | 0072 |
| Hitachi | 0027, 0068, 0069, 0108, 0193, 0267, 0620 |
| Hoeher | 0305, 0669 |
| Hornophon | 0108 |
| Hypson | 0027, 0064, 0099, 0305, 0507 |
| Imperial | 0027 |
| Ingersoll | 0267 |
| Inno Hit | 0099 |
| Interbuy | 0099 |
| Interfunk | 0108, 0131 |
| Internal | 0305, 0664 |
| International | 0064, 0305, 0669 |
| Intervision | 0027, 0305 |
| Irradio | 0099, 0108 |
| ITT | 0068, 0131, 0133, 0267, 0411 |
| ITT Nokia | 0579 |
| ITV | 0047, 0064, 0305 |
| ITV Videomaster | 0047 |
| JBL | 0305 |
| Jensen | 0068 |
| JMB | 0375, 0379, 0769 |
| Joyce | 0027 |
| JVC | 0068, 0094, 0411 |
| Kaisui | 0099 |
| Kambrook | 0064 |
| Karcher | 0108, 0305, 0669 |
| KEC | 0064, 0305 |
| Kendo | 0099, 0133, 0305, 0342, 0375, 0669 |
| Kenwood | 0065, 0068, 0094 |
| Kimari | 0074 |
| Kneissel | 0064, 0305, 0375, 0379 |
| Korpel | 0099 |
| Kuba Electronic | 0074 |
| Kyoto | 0099 |
| Lenco | 0305 |
| Leyco | 0099 |
| LG | 0064, 0507, 1164 |
| Lifetec | 0375 |
| Lloyd's | 0027 |
| Loewe | 0064, 0108, 1589 |
| Logik | 0099, 0133, 0267 |

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| Lumatron | 0620, 1164 | Prosonic | 0305 |
| Lunatron | 1164 | Protech | 0108 |
| Lux May | 0099 | ProVision | 0305 |
| Luxor | 0070, 0074, 0075, 0131, 0133, 0342 | Pye | 0108 |
| LXI | 0064 | Quasar | 0305 |
| M Electronic | 0027, 0065 | Quelle | 0108 |
| Magnasonic | 0305, 0620 | Radialva | 0064, 0075 |
| Magnavox | 0027, 0108, 0669 | Radiola | 0108 |
| Magnin | 0267 | Radionette | 0064, 1164 |
| Magnum | 0669 | RadioShack | 0027, 0064 |
| Manesth | 0072, 0099, 0108 | Rank Arena | 0068 |
| Marantz | 0065, 0108, 0173 | RCA | 0069, 0075, 0267, 0347 |
| Mark | 0027, 0305 | Realistic | 0027, 0064, 0074, 0075, 0131 |
| Mastec | 0669 | Reoc | 0375 |
| Master's | 0305 | Rex | 0068, 0411 |
| Matsui | 0267, 0375, 0379, 0769 | RFT | 0099 |
| Medion | 0375, 0379, 0669 | Ricoh | 0061 |
| Melectronic | 0027, 0064, 0065 | Roadstar | 0064, 0099, 0108, 0267, 0305, 0769 |
| Memorex | 0027, 0064, 0075, 0131, 0267, 0375 | Royal | 0099 |
| Memphis | 0099 | Saba | 0068, 0305, 0347, 0348, 0411, 0521 |
| Metronic | 0108 | Saisho | 0375 |
| Metz | 0064, 0108, 0253, 0374, 0863, 0864, 1589 | Salora | 0070, 0131, 0133 |
| MGA | 0070, 0267 | Samsung | 0072, 0267, 0459, 0647 |
| Micormay | 0375 | Samurai | 0047 |
| Minolta | 0069 | Sansui | 0027, 0068, 0094, 0099, 0133 |
| Mitsubishi | 0070, 0075, 0094, 0108, 0507, 0669 | Sanyo | 0074, 0075, 0094, 0131, 0267, 1164 |
| MTC | 0027, 0267 | Saville | 0267, 0305, 0379 |
| Multitec | 0064 | SBR | 0108, 0173 |
| Multitech | 0027, 0047, 0099 | Schaub Lorenz | 0027, 0068, 0131, 0133, 0342, 0375 |
| Murphy | 0027 | Schneider | 0027, 0064, 0069, 0099, 0108, 0173, 0267, 0305, 0375, 0379, 0669, 0924 |
| Myryad | 0108 | Scott | 0070 |
| NAD | 0131 | Sears | 0027, 0064, 0069, 0074, 0131 |
| Naiko | 0375, 0669 | Seaway | 0305 |
| National | 0253 | SEG | 0099, 0108, 0267, 0305, 0664, 0669 |
| NEC | 0064, 0065, 0068, 0094, 0131, 0305 | SEI | 0108 |
| Neckermann | 0108 | Seleco | 0047, 0064, 0068, 0411 |
| Nesco | 0099 | Semp | 0072 |
| Nikkai | 0047, 0099, 0305 | Sentra | 0047, 0099 |
| Nikko | 0064 | Sharp | 0064, 0075, 0596 |
| Nokia | 0068, 0069, 0075, 0108, 0131, 0133, 0267, 0305, 0342, 0579 | Shintom | 0099, 0131 |
| Nordmende | 0068, 0094, 0347, 0348, 0411, 0521 | Shivaki | 0064 |
| Oceanic | 0027, 0068, 0075, 0108, 0131, 0133 | Siemens | 0064, 0108, 0131, 0173, 0347, 0374 |
| Okano | 0099, 0305, 0342, 0375 | Siera | 0108 |
| Onimax | 0669 | Silva | 0064 |
| Optimus | 0064, 0075, 0131, 0459, 0620 | Silver | 0305 |
| Orbit | 0099 | Singer | 0072 |
| Orion | 0375, 0376, 0379, 0769 | Sinudyne | 0108, 0379 |
| Osaki | 0027, 0064, 0099 | Smaragd | 0375 |
| Osume | 0099 | Solavox | 0047 |
| Otto Versand | 0108 | Sonneclair | 0099 |
| Pace | 0379 | Sontec | 0064 |
| Pacific | 0027, 0375, 0669, 0769 | Sonwa | 0669 |
| Palladium | 0064, 0068, 0099, 0375 | Sony | 0027, 0059, 0061, 0133, 1059 |
| Palsonic | 0027, 0099, 0669 | Soundwave | 0064, 0375 |
| Panasonic | 0253, 0863, 0864, 1589 | Ssangyong | 0099 |
| Pathe Cinema | 0070 | Stern | 0305 |
| Pathe Marconi | 0068 | Sunkai | 0305, 0375 |
| Penney | 0064, 0065, 0069, 0267 | Sunstar | 0027 |
| Pentax | 0069 | Suntronic | 0027 |
| Perdio | 0027 | Sunwood | 0099 |
| Philco | 0065, 0099 | Supra | 0064 |
| Philips | 0108, 0173, 0411, 0620, 1296 | Sylvania | 0070, 0108 |
| Phoenix | 0305 | Symphonic | 0027, 0620 |
| Phonola | 0108 | Tandberg | 0305 |
| Pilot | 0064 | Tandy | 0027, 0131 |
| Pioneer | 0069, 0094, 0108, 1830 | Tashiko | 0027, 0064, 0075, 0108, 0267 |
| Portland | 0047, 0305, 0664 | Tatung | 0027, 0068, 0070, 0075, 0108, 0375, 0379 |
| Prinz | 0027 | Tchibo | 0375 |
| Profitronic | 0108, 0267 | TCM | 0375 |
| Proline | 0027, 0305, 0347, 0669 | Teac | 0027, 0064, 0068, 0334, 0664, 0669, 0871, 0808 |
| Prosc0 | 0871 | Tec | 0047, 0099 |

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| Tech Line | 0099 |
| Technics | 0108, 0253 |
| Tedalex | 0669 |
| Teknika | 0027, 0064 |
| Teleavia | 0068 |
| Telefunken | 0068, 0305, 0347, 0348, 0411, 0521, 0669 |
| Telerent | 0253 |
| Teletech | 0027, 0099, 0305 |
| Tempest | 0047 |
| Tenosal | 0099 |
| Tensai | 0027, 0099, 0305 |
| Tevion | 0375, 0669 |
| Texet | 0047, 0305 |
| Thomas | 0027 |
| Thomson | 0068, 0094, 0305, 0347, 0348, 0411, 0521, 0749 |
| Thorn | 0064, 0068, 0131 |
| Tivo | 0749 |
| Tokai | 0064, 0099 |
| Topline | 0375 |
| Toshiba | 0068, 0070, 0072, 0108, 0379, 0411, 0459, 0769 |
| Totevision | 0064 |
| Towada | 0099 |
| Tradex | 0108 |
| Uher | 0267 |
| Ultravox | 0305 |
| Unitech | 0267 |
| United | 0375, 0769 |
| Universum | 0027, 0064, 0108, 0131, 0133, 0267, 0375, 1164 |
| Victor | 0094 |
| Video Concepts | 0072 |
| Video Technic | 0027 |
| Videomagic | 0064 |
| Videosonic | 0267 |
| Villain | 0027 |
| Wards | 0027, 0065, 0069, 0072, 0074, 0075, 0099, 0108, 0267 |
| Watson | 0108, 0379, 0669 |
| Wharfedale | 0620 |
| White Westinghouse | 0099, 0305 |
| World | 0375 |
| Yamaha | 0065 |
| Yamishi | 0099, 0305 |
| Yokan | 0099 |
| Yoko | 0047, 0064, 0267 |
| Zenith | 0027, 0061, 0664 |
| ZX | 0375, 0379 |

Setup-Code für alle DVD-Playermodelle (Y)
Setup Code For All Digital Video Disks (Y)

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|--------------------|--|
| 3D | LAB 0566 |
| 4Kus | 1185 |
| A-Trend | 0741 |
| Aboss | 1125 |
| Acoustic Solutions | 0740, 0757 |
| AEG | 0797, 0815, 0817 |
| AFK | 1078, 1179, 1225 |
| Afreey | 0725 |
| Aim | 0805 |
| Airis | 0699, 1032, 1251, 1277 |
| Aiwa | 0560, 0668, 1163, 1270 |
| Akai | 0638, 0743, 0793, 0815, 0817, 0925, 1142, 1226, 1260, 1722 |
| AKI | 0880, 1032 |
| Akura | 0925, 1078, 1167, 1197, 1198, 1260, 2018 |
| Alba | 0566, 0699, 0722, 0726, 0740, 0744, 0757, 0810, 1078, 1167 |
| Albatros | 1056 |
| Alize | 1178 |
| All-Tel | 0739 |
| Altacom | 1251 |

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| Amitech | 0797, 0811, 0877 |
| Amoi | 0879 |
| Amoisonic | 0791, 0862 |
| Amstrad | 0740 |
| AMW | 0899 |
| Ansonic | 0786, 0858 |
| Apex Digital | 0699, 1031, 1127, 1942 |
| Arcam | 0759 |
| Aria | 0920 |
| Arianet | 0845, 0920 |
| Ariston | 0700 |
| Ariston Acoustics | 0700 |
| Aristona | 0673 |
| Asono | 1251 |
| Atacom | 1251 |
| Audiologic | 1828 |
| Audiosonic | 0717, 1292, 1950 |
| Audiovox | 0744 |
| Auvio | 0870, 1117 |
| Axion | 0757 |
| Bang&Olufsen | 1052 |
| Basic Line | 0740, 2021 |
| Baze | 0925 |
| BBK | 0889, 1111, 1251 |
| Beko | 1180 |
| Bellagio | 1031, 1272 |
| Belson | 1130, 1950 |
| Binatone | 1950 |
| Black Diamond | 0740, 0793, 0860 |
| Blue Sky | 0678, 0699, 0722, 0740, 0805, 0870 |
| Boghe | 1031, 1248 |
| Boman | 0810, 0925 |
| Brainwave | 0797, 1142, 1262 |
| Brandt | 0530, 0578, 0678 |
| Britannia | 0773 |
| Broksonic | 0722 |
| BskyB | 2007 |
| Bush | 0543, 0545, 0699, 0716, 0717, 0722, 0726, 0740, 0744, 0757, 0760, 0805, 0858, 0860, 0906, 1078, 1722 |
| Cambridge Audio | 1111, 1136 |
| Cambridge Soundworks | 0723 |
| Cat | 0726, 0813, 0814, 0816, 1042 |
| CCE | 0757, 1944 |
| Cello | 2018 |
| Centrex | 0699, 1942 |
| Centrum | 0740, 0806, 0816, 1032, 1254, 2021 |
| CGV | 0760, 0778, 1142 |
| Cinea | 0868 |
| Cinetec | 0740 |
| cineULTRA | 0726 |
| CineVisiom | 0903 |
| Clairtone | 1276 |
| Classic | 0757, 1757 |
| Clatronic | 0699, 0815, 0845 |
| Clayton | 0740 |
| Coby | 0757, 0805 |
| Codex | 1260 |
| Compacks | 0853, 1125, 1292 |
| Conia | 0791, 0879 |
| Continental Edison | 0858, 1276 |
| CrossWood | 1180 |
| Crown | 0717, 0796, 0797, 1142, 1183 |
| Crypto | 0909, 1255 |
| Cybercom | 0858 |
| CyberHome | 0741, 0843, 0901, 1046, 1050 |
| Cyrus | 1039 |
| Cytron | 0678, 0743 |
| D-Vision | 1142 |
| Daenyx | 0899 |
| Daewoo | 0732, 0741, 0797, 0859, 0860, 0897, 0899, 1196, 1945 |

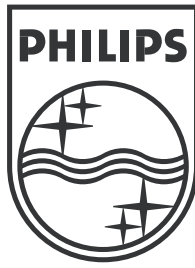
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| Daewoo International | 0899 |
| Dalton | 0813, 1063 |
| Dansai | 0774, 0797, 0810, 1142 |
| Dantax | 0566, 0740, 0750, 0817 |
| Daytek | 0899, 1032 |
| Dayton | 0899 |
| Daytron | 1067 |
| DCE | 0858 |
| Decca | 0797, 1142 |
| Denon | 0517, 0661, 1661 |
| Denver | 0726, 0805, 0815, 0925, 1110, 1131, 1950 |
| Desay | 0870, 1117 |
| Diamond | 0678 |
| Digatron | 1036 |
| Digihome | 0740 |
| Digital i | 0920 |
| Digitrex | 1942 |
| Digix Media | 0853 |
| DiK | 0858 |
| Dinamic | 0815 |
| DiViDo | 0732 |
| DK Digital | 0858, 0867, 1281, 2034 |
| DMTech | 0810, 1124, 2073 |
| Dragon | 0858 |
| DreamX | 1178 |
| DSE | 1757 |
| DTS | 0826 |
| Dual | 0678, 0692, 0740, 0757, 0806, 0810, 0817, 0858, 2034, 2073 |
| Durabrand | 0740, 0858, 1030, 1154 |
| Easy Home | 0884 |
| eBench | 1179 |
| ECC | 0757 |
| Eclipse | 0750, 0778 |
| Efunk | 0877 |
| Elin | 0797 |
| Ellion | 0877 |
| Eltax | 0699, 0717, 0797, 0815, 0877, 1142, 1178, 2018 |
| Eltax | 0793, 1119, 1123, 2014 |
| Emerson | 0618, 0732 |
| Encore | 0725 |
| Enterprise | 0618 |
| Enzer | 0728, 1255 |
| EuroLine | 0815, 1110, 1142, 1260, 2048 |
| Fenner | 0678, 1056 |
| Ferguson | 0678, 0925 |
| Finlux | 0618, 0699, 0768, 0778, 0797, 0810, 1174 |
| Fintec | 0811, 1196 |
| Firstline | 0740, 0826, 0870, 0896 |
| Fisher | 0697 |
| Fujilink | 0882 |
| Funai | 0702, 0722 |
| Fusion | 0889 |
| Futronic | 1960 |
| Gateway | 1185 |
| GE | 0744 |
| Giec | 1248 |
| Global Solutions | 0795 |
| Global Sphere | 1179 |
| Go Video | 0810, 0896, 1126, 1997 |
| GoldStar | 0618, 0768 |
| Goodmans | 0678, 0717, 0740, 0750, 0757, 0810, 0817, 0860, 0906, 1031, 1167, 1248, 1281, 2034, 2041 |
| GPX | 0726, 0796 |
| Graetz | 0692 |
| Gran Prix | 0858, 0925 |
| Grandin | 0740, 0743, 1260, 1281 |
| Greenhill | 0744 |
| Grundig | 0566, 0578, 0678, 0697, 0713, 0722, 0728, 0732, 0740, 0802, 0817, 1031, 1063, 1722, 1757, 1947, 2073 |
| Grunkel | 0797, 1183 |

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